

United States Department of Agriculture

FIELD DIARY

Utah

July 15-Oct. 19.
1914.

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When this book is filled another may be secured by application to the chief of your Bureau or to the disbursing officer of the Department.

James Wilson
Secretary of Agriculture.

7/15

Coot 4 days old. Top of head
almost bare except for two
lines of black hairs from the
central region. tips of bill black
egg white. front of bill, rest of
bill, say first half way not lighter
toward tip. claw present on thumb
frontal plate dark red not brown
new feet large strong well webbed
dusky long cl with lighter

- Avocet
- Black-necked Stilt KK Kek (teal-c)
- Great Blue Heron quack quack
- Gull wings -
- Coot (Rep)
- Common Teal
- Marsh Wren very sharp
- Yellow head
- Ibis
- Snails floating with foot exposed
to surface film. Would not sink
other same in water.
- Calig. Gull
- Red-billed
- Horn Kath Kath. team
- Night Heron
- Killdeer
- Pelican

Internally gutted and weighed -

Gadwall *Mareca americana* July 15

Found at edge of channel where it had climbed up onto the raised edge of marsh. Was alert but with helpless eyes normal from a young. Had some use of wings but used them mainly to help along, could not support weight of body on feet when placed in the water trying to balance it. Left muscles of functional in moving pushed itself along with feet by breast. Could hold head up & most of left muscles were weak. Arms a mass of maggots beat beat violently when disturbed. When eyelids were loosened were found to be pretty paralyzed with watery exudate; membranes now became could be kept open. Left one eyelid down right brought up half way but not farther.

Melting all over. Old plumage very worn out on breast phragmites predilect, gassy, feather of belly foul from sores. Supraorbital gland rather dry, no oil to supply on crown anterior filled with an orange yellow skin subcutaneous lumps dry appearing externally gathered in cluster.

areas, like burns of sun
burn. In this bird I noticed
that the bulb of the trachea
lay to the left of the right
clavicular trachealis was normal
but the left one after leaving
the trachea was attached firmly
to the bulbosity and was sym-
metric, broad & enlarged. The whole
left muscle was noticeably
stronger than the right.

Liver very red & shaggy, somewhat
dry.

Much fat in body cavity,
in heart, stomach & about
anal region.

Teeths shortened
cloaca filled with a greenish
fluid which showed some
lymphatic matter.

Left bladder large distended

very dark green.

Appendix small triangular,
rather unhealthy. Blotched red in
epiphysis.

Tale only almost black.

Stomach was not empty contained

much sand, seeds of malvaceae

& algae. Sand present in faeces

scattered present which suggest

of intestinal protitis & full of mucus

in small intestine. Gas tract

part lattely a mucus on

the dinner.

July 15

Teal.

Found in water at 10deg. 9
bank made to ascend 3 with 1 dm

diarrhoea greenish in color with

nitrogenous matter present emaciated

could spread wings. Lately a

little but had no control over them

when caught on a cord or twigs

could only struggle. Was unable

to loosen them. Could not support

body ~~at~~ feet upright but prodded

slightly & pain fully by pushing

forward in front. Upper lower

lids greenish to yellow the lower

one half covering the eye.

Could move eyeball &

melting membrane functional.

When held in the air opened but

rapidly but had little strength

in them. neck muscles strong

July 14

- Barn Swallow
- Gannet - paddle
- Avocet & Kuk Kuk - 4 day old chick
- S. tit - many young & some of them downy
- Savannah Sparrow bsp
- Empidonax
- Killdeer
- Concord
- Yellowhead, tree - downy
- Redwing
- also spotted Kuk - quail quail
- Mallard - egg
- Cinnamon teal & compass plant.
- Kingbird
- Black Tern
- Snowy Heron
- Lin. Yellowthroat
- Whimbrel - downy *
- Polar Skua
- Snowy Plover
- Common Tern
- Canada Goose ♀
- Cliff Swallow
- Marmota flaviventris
- Coot - egg laid
- Night Heron
- Great Blue Heron
- Tern
- Pelecan Sandpiper
- Pelican - took quail
- Snowy Plover
- Solitary Sandpiper
- Magpie
- Song Sparrow.

courtship of flns

Cormorant

- Redhead

- Calif Gull

July 14

- Cowbird
- Solitary Sandpiper
- Magpie
- Empidonax
- Lin. Yellowthroat
- English Sparrow
- Song Sparrow
- Killdeer
- Yellow head
- Pink Swallow
- Cans
- Night Heron
- Great Blue " than flying toward me
- Ovis
- Pine Siskin
- Marsh Wren 2 striped nest
- Cinnamon Teal
- Black Tern
- Snowy Plover
- S. tit
- Redwing
- Tern
- Mallard
- Pelican
- Snowy Plover
- Avocet & Kuk Kuk Kuk Kuk
- Marca
- Redhead quail quail - ad. quail
- Coot
- Calif Gull
- White-tailed Kite
- Great Yellowlegs
- Cinnamon Teal
- Snowy Plover

- Cliff Swallows
- Pintail
- Virginia rail
- Cormorant
- Willet

July 17.

young coot. snuck along edge
of boat. pointed at me when caught
when a hand was extended to
them in boat struck at it
with one foot & if attack was
rewarded fell on back kicking vigorously
& peeing. not two two
other attempted to escape by running.

miss birds:

1. coots nest - 5 eggs in open 30 feet
from any cover.

July 18

- Barn Swallows 8559-60-61
- Willet
- Yellowhead
- Cinnamon Teal / recent
- S. Tit
- Albie
- Night-Heron
- Savannah Sparrow
- Black Tern
- Mallard
- Green-winged Teal
- Forster's Tern
- Avocet
- Gull
- Marsh Wren
- Snowy Bunting
- Great Blue H.
- Canada goose
- Coot young hatch 3 dead
- Pied-billed Grebe
- Pintail
- Pelican
- Western Sandpiper
- Marbled Godwit about gnaw
- Killdeer
- Ruddy - tail in air diving
- Lesser yellowlegs
- Black-headed Gull
- Greater yellowlegs
- Cormorant
- Kingbird
- Bullock's Oriole
- Solitary Sandpiper

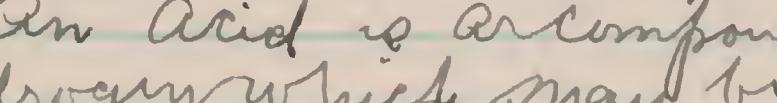
- July 19
- Long-tailed Chickadee
 - Song & parus
 - Maryland yellowthroat.
 - Cowbird
 - Gull
 - Coot | 1 | 27-54-1-1
 - Grackle | | 20-1-1-5
 - Red-tail
 - Fox Sparrow ||||| 38
 - Swainson's Sparrow
 - Phalarope | | 27
 - Kingbird | | 65
 - Empidonax
 - Barn Swallow
 - Magpie
 - Abies
 - Common Tern
 - Yellow-shank
 - Virginia Rail
 - Gull, imm.
 - Calif. Gull.
 - Great Blue Heron
 - Night Heron

- July 20.
- Great Blue Heron
 - Night Heron.
 - Cinnamon Teal
 - Killdeer
 - Cowbird parents with young
 - Spotted Sandpiper
 - Redwing
 - Meadowlark
 - Chipping Sparrow
 - Cuckoo
 - Calif. Gull
 - Yellow-shank
 - Barn Swallow
 - Gull, imm. 2 eggs in nest.
 - Red-shank. 4 eggs in nest.
 - Forster Tern
 - Magpie
 - Snowy Sparrow
 - Kingfisher
 - Silverside
 - Red-shafted Flicker imm.
 - Black Tern
 - Shrike & young
 - Ruddy Duck & 2
 - Tern
 - Mallard. 1 on bank.
 - Marsh Hawk R.
 - Gadwall
 - Brown Goshawk
 - Sharp-shinned Hawk
 - Snowy Bittern
 - Song Sparrow

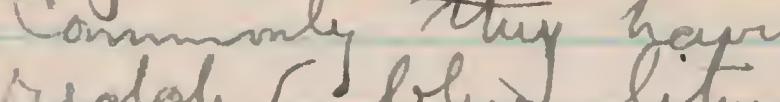
- violet
- Rough and swollen
- Lepid. Burning - moist
Morning Glory

Kahlenberg Cuttings of Chemistry - 1911
p. 120.

Acids reddens blue litmus.
When sulphur burns in oxygen
Sulphur dioxide results SO_2 .
mixing with water



By passing sulphur dioxide
mixed with oxygen over red hot
platinum particles SO_3 is formed



An acid is a compound containing
hydrogen which may be replaced
by a metal, the product formed
being a salt.

Commonly they have a sour taste
they reddens blue litmus. There are
acids that however that
they do none of these things.

SO_3 is an oxide of S .
 SO_3 is known as the anhydride
of H_2SO_4 .

Bases turn red litmus blue
and when treated with an
acid become neutral. do not
affect litmus.

Hans Kahlenberg.

Allens Commercial Organic analysis
1913 p. 341-355

Putrescines are bases produced
in the putrefactive decomposition of
animal & vegetable tissues - In
nearly all cases arising by bacterial
action in the breaking down
of proteins into peptides & by
further degradation to amino
acids and finally into ammonia,
carbon dioxide, methane etc.

Some putrescines are highly
toxic but in general the bases
formed by putrefaction are not perma-
nently poisonous. Toxic effects are
not destroyed by cooking.

Symptoms of poisoning usually
commence with nausea, vomiting,
pain in the abdominal region & diarrhea.
Nervous symptoms are faintness
muscular weakness, prostration &
sometimes spasms, followed by
pure mælancholy & delirium.
Convulsions, clonic spasms, dilatation
of pupil, disturbance of vision
with drowsiness & occasionally
concreta are observed also.

Post mortem appearances are
similar to those produced by
mineral irritant poisons -

Symptoms of putrefaction poisoning
rarely become developed in less
than 6 to 8 hours & in some cases
are much longer delayed.

Typhotoxin $C_7H_{11}O_2N$ - produced
by the typhus bacillus is a
strong base of alkaline reaction
& possesses irritant properties.

Aromatic putrescines come from
the putrefying bodies of animals
poisoned by arsenic & highly
toxic.

Flint - Handbook of Physiology
Macmillan 1905

Bile contains sodium united with two acids - glycocholic & taurocholic acids. The "biliary salts" of this are probably more concerned in digestion.

In fasting animals the gallbladder is distended with bile, but in animals opened soon after feeding it is nearly always empty, & actual secretion of bile by liver is also influenced by digestion.

One of uses described to bile is that of stimulating peristaltic movements of small intestine and of preventing peristalsis in the intestinal contents & the abnormal development of gas.

In cases of biliary fistula there is great loss of weight.

Gas is found in the intestine from any important mechanical cause. Keep the canal distended to the proper degree support the walls of the intestine, & suffuse concussive.

Liver is abundantly supplied with nerves both cerebro-sympathetic & sympathetic.

July 22

- Meadowlark
- Kingbird
- English Sparrow
- Barn Swallow
- Bank Swallow
- Forster Tern
- Killdeer
- Stilt
- Avocet
- Willet
- Mr Sandpiper
- Redwing
- Marsh Wren
- Song Sparrow
- Red-shafted Flicker
- Calif. Gull.
- Redwing
- Yellowhead
- Night heron
- Pectoral
- Cinnamon Teal
- Shoveler
- Coot
- Virginia Rail
- Greater Yellowlegs
- Cormorant

July 23

- Bobolink
- English Sparrow
- Bullock's Oriole
- Yellow Warbler
- Kingbird
- Robin
- Goldfinch
- Mourning Dove
- Indigo Bunting
- Spotted Sandpiper
- Magpie
- Avocet
- Nighthawk
- Rough-winged Swallow
- Great Blue Heron
- Redwing
- Meadowlark
- Forster Tern
- Cormorant
- Coot
- -
- Stilt
- Buzzard
- Cinnamon Teal
- Mallard
- Redhead
- Pied-billed Grebe
- Black Tern
- Cowbird
- California Gull
- Yellowhead
- Red-shafted Flicker
- Western Sandpiper

Pelican trap 198.2

- Feb 24

 - Gull
 - Willet
 - Long leg plover
 - Godwits
 - Redshank
 - Black-tailed Godwits
 - Ring-billed Gull
 - Common Tern
 - Yellow-bellied Plover
 - Marsh Wren
 - Gull
 - Gull
 - Gosling ^{Quail chick}
 - House Sparrow nest + 3 nest built on grass
 - Black Tern ^{over} 107.2 ^{+ of grass} 107.4 ^{g 107.2}
 - Indigo Bunting
 - Sedge Wren
 - Petrel Sandpiper
 - Canada Goose
 - Duck
 - Snowy Heron 104.2²
 - Mr Bayly. ^{for} 7
 - Calif Gull
 - Solitary Sandpiper
 - Coot
 - Grouse
 - Phalarope 99.2 99.5^x
 - Cormorant
 - Red head
 - Pied-billed Grebe 12

The body is elongated. The feet
are elongated when
more help than trap weight
when supported by the hind foot
the right foot with the
other standing out behind. Not
easily bent at joint. Slight
brownish coloration on neck enough
to stain feathers. Birds want to
swim. Could float at a fair rate
across water.

Coot temp. as at 106.5°
Found swimming in snow in four
inches of water. sat in snow
pooling of heat as though frozen

Occasionally slipped ~~head~~^{head} in ~~water~~^{water} and
it went as though fishing but
swam only bits. ~~had~~^{had} When
it withdrew head dropped. At
first it could not stand upright
made no attempt to rise. Then
was able to balance itself on its
hind legs a few steps trying to
get out went back out & went
slightly above the breast puffed up
its chest. It frequently turned
its head sideways.

though its poor wings were held
close to body & could kick around
with feet screamed like a
white with slight greenish
tinge almost dead began
to struggle convulsively & though
finally ended a start in the end
I was about dead by the time
~~I had~~ I had finished these notes.

July 25
bill unable to support weight
of body on feet. could flap
probably but could not have
itself. wings held low from
sides. bill struggled to
keep avocet.

and temp 106.8° bird struggled

Pintail
drake could not hold head up
could flap wings a little but
helpless arms down. Membrane
nitidans. not functional fact
Slight control of legs & eyelids
would move eyeball but could not
Stir much. anal temp 100.5°
water around red it was red.

July 25

- Empidonax swainsoni
- Marsh Wren
- Magpie
- King Sparrow
- Barn Swallow
- Mallard 99.7.2*
- Pintail
- + Sitt
- Yellowthroat
- Timpanogos
- Flicker
- Gnatcatcher
- Great Yellowlegs
- Lesser Scaup
- Canada Goose
- Killdeer
- Calf gull 2 chd.
- Great Blue Heron
- Great Horned Owl round light blue eyes
- Albatross 105.5° most platform animals just big
- Avocet
- Tundra Swan
- Pintail
- Cow
- Snowy Owl 103.6°
- Widgeon
- Limosa fedoa Karak
- Mallard
- Redwing
- Common Merganser
- Redhead Great Blue
- Pelican
- * Ring Billed Gull
- Green Heron
- Bonaparte's
- Lesser Yellowlegs
- Black Duck
- Phalarope
- Ring Billed Gull dead

July 26

- Kingfisher
- Wilson Snipe
- Kingbird
- Yellow Warbler
-
- Spotted Sandpiper
-
- Night Heron
- Cormorant
- Blue
- Song Sparrow
- Scaup
- Chestnut M.
- Avocet
- Bttr
- Yellow Rail
- Purple Wagtail
- -
- Cinnamon Teal
- Tree Swallow
- English Sparrow
- Maryland Yellowthroat
- Tree Swallow
- Star

Common birds in south
approximately July 27

- Kingfisher
- Yellow Warbler
- Song Sparrow
- Empidonax
- Cinnamon Teal
- English Sparrow
- Beach Swallow
- Maryland Yellowthroat
- Fox Sparrow
- Spotted Sandpiper
- Stilt
- Sparrow
- Great Blue Heron
- Grackle
- Killdeer
- Marsh Wren
- Avocet
- Caligall
- Black Duck
- Ruddy Turnstone
- Gull
- Gull
- Meadowlark
- Killdeer
- Lark
- Brewer's Blackbird
- Pectoral Sandpiper
- Red-necked Phalarope
- Snowy Egret
- Lesser Yellowbelly
- Savanna Sparrow
- Willet
- Vireo
- Widgeon
- Mallard
- Cuckoo
- Bull-headed
- Ring-necked Pheasant
- Western Gull
- Cedar Waxwing
- Red-billed Gull
- Black-headed Grosbeak
- Lazuli Bunting
- Northern Cardinal
- Robin

~~With a flat broad base
with deep stomach projection~~

test contact 30 minutes later
using no breaker - shorted

Progress towards implementation of
minimum changes

Spotted Noddy song and piping

and the *lungs* were *normal*.

Longer than the
cool bright streaks

disturbance disturbance

Cloud cover & high wind
now as bad as it was in New

- July 3rd
- Solitary Sandpiper
 - Meadowlark
 - Pine Siskin
 - English Sparrow
 - Sedge Warbler "
 - Sage Thrasher
 - Mr. Jay
 - Kingbird
 - Golden Sparrow
 - Robin
 - Cowbird - House Wrens
 - House Sparrow
 - Goldfinch - Sparrow
 - Lazuli Bunting ?
 - Field Sparrow
 - Brown Headed Bullfinch
 - Grosbeak
 - Mourning Dove
 - Lark Sparrow

4 1+4-12 ft.
4 2x4 - 10 -
4 2x4 - 12 -

July 3

- X
X

 - Yellow Shank
 - Greater Scaup
 - Common Tern
 - Horned Puffin
 - Stilt
 - Great Blue Heron
 - Night Heron
 - Canada Goose 1.
 - Barn Swallow
 - Bait
 - Solitary Sandpiper.
 - Pintail 11
 - Black Tern
 - Redhead
 - Common Loon
 - Mallard
 - Spoorbill 4-2
 - Little Yellowlegs
 - Gull
 - Western Gull
 - Gannet & Puffin 1074

- Dead
- Teal - yg nestling
 - Black Duck
 - Gadwall
 - Green-winged Teal
 - Mallard
 - Snowy Ptn. pt.
 - Black Duck
 - Cinnamon Teal
 - Green-winged Teal
 - Pintail
 - Flight Ptn.
 - Mallard
 - Wilson Snipe
 - Marsh Wren
 - Gull
 - Red head
 - Great Blu Heron
 - Lesser Yellowlegs
 - Barn Swallow
 - Ruddy yg.
 - Griva of Indra
 - Song Sparrow
 - Maryland Phoebe
 - Virginia Rail
 - Solitary Sandpiper
 - Spotted "
 - Common Sppn
 - Cedar Waxwing
 - Shrike
 - Gull gull
 - Pelican
 - Cormorant

From teal found dead at edge
of channel.

- 1 yg red head + 1 yg Ruddy
- An adult mallard at edge of channel
(by water) dead - body pale or
gray could not raise it up
it fell down - very watery
body at shoulder. Combs
barely known - feet
- Anal temp. ~~100.2~~ - jacks loose -
limbs stained as soon removed
from water - various places
Septicemic (?) cause of death
- dead mallard shallow water
in island

2 dead Pintails .. .

dead coot in water

Mallard edge of lake. Able to
push along slowly with just
feet by water as I walk
starched - now slightly away partly
on breast anal temp. ~~100.7~~ high from
exposure?

Pintail skeleton at edge of
channel

Spoonbill on the channel. Se
cold and

Great blue heron

- Aug. 2
- English Sparrow
 - Snowy Heron 13
 - Barn Swallows
 - Foster Tern
 - Yellowhead
 - Greater Yellowlegs
 - Killdeer
 - Night Heron
 - Gull & Her.
 - > Bank Swallow Martin.
 - Magpie
 - ↗ Kingbird
 - Meadowlark
 - Brown Sparrow
 - Empidonax 109.0
 - Hummer.
 - Sage Thrasher 109.2
 - Western Sparrow
 - Horned Lark
 - Long eared Owl

- Aug. 3
- Scaup Eider - 20 Kingbird
 - Stilt - Kingbird
 - Avocet - Barn Swallow
 - Killdeer - Cliff
 - Yellowhead - Roughwinged..
 - Barn Swallow 8 pug.
 - English Sparrow 8 pug.
 - Snowy Heron 15 - 3 - 12 - 50
 - Un Sandpiper - Flicker
 - Greater Yellowlegs - Sage Thrasher
 - Jacksnipe - Meadowlark
 - Greater Yellowlegs - Brown Blackb.
 - Lesser Scaup - Cowbird
 - W Mlt - Yellow Warbler
 - Foster Tern - Kestrel quail hawk
 - Pintail Duck -
 - Cinnamon Teal. -
 - Black Tern -
 - Barn Swallow
 - Great Blue Heron
 - Night Heron
 - Coot -
 - Mallard
 - Spoonbill
 - Spotted Sandpiper 108.1 Knut
 - Marsh Wren
 - Godwit.
 - Savanna Sparrow 108.0
 - Phalarope
 - Canada Goose
 - American
 - Gull Gull
 - Sing Sparrow
 - Mourning

~~Central Valley of California~~
about 10 miles west of San
Simeon Aug 10 1949. Bird rather
poorly preserved. Length about 10-12 in.
Weight about 1 lb.

Stomach contents of 100% com.
perfectly good & largely clear
water clear in good condition of
fishes. Was thin;
small fish escaped.

Young cost half grown by
nesting died last night
young cost and 100% of
with claw buried because

August 5

- Barn Swallow 7 banded Hawk + 190
- Brown Blackbird
- Cuckoo Tree
- Meadowlark
- Yellowhead
- Kingbird
- Western Kingbird
- Gnatcatcher
- Western Sparrow
- English Sparrow
- Yellow Warbler
- Swainson Hawk
- Night Heron
- Great Blue Heron
- Mourning Dove
- Song Thrush
- Snowy Heron 19
- Killdeer
- Bank Swallow
- Lesser Goldfinch
- Mrs. Woodpecker
- Common Grackle
- Pine Siskin
- Goldfinch
- Flicker
- Barn Owl
- Gulls 50
- Swainson Sparrow + 100+
- Foster Tern
- Gull
- Woodpecker
- Thrasher

- Aug 6
- Merganser
 - Billed Duck
 - Long-billed Curlew
 - Cliffs
 - Night Heron
 - Gull
 - Wilson Snipe
 - Forster's Tern 105.6
 - Ruddy Turnstone 105.6 105.8
 - Black-tailed Gull
 - Arctic Tern
 - Mallard 105.6
 - Cinnamon teal 106.6.
 - Green-winged Teal
 - Blue-winged Teal
 - Ring-necked Pheasant
 - Broad-billed Hummingbird
 - Great Yellowlegs
 - Western Sandpiper
 - Common Sandpiper 107.6.

Aug 7

Greenwings & I had one in the lagoon
It tended to rise but not climb.
Saw a dove there.

Had a thin grey color, much
limy material in water slightly
alkaline.

- Buzzard
- Green-winged Teal (105.6)
- Cinnamon teal "
- Mallard " dead
- Pintail "
- Savanna Sparrow
- Marsh Wren
- Horseshoe Lark Known as Prairie Martin
- Common Moorhen " " River Crow
- Elbow
- Snowy Heron (102.3) - seen & heard
- Great Blue Heron - heard
- Night Heron - May 1
- Brown Blackbird - English Sparrow
- Raven
- Meadowlark
- Spotted Sandpiper
- Bonaparte
- Killdeer
- Song-billed Curlew
- Goshawk
- Red-winged Blackbird
- Yellow-headed Blackbird
- Chukar
- Curlew
- Brant

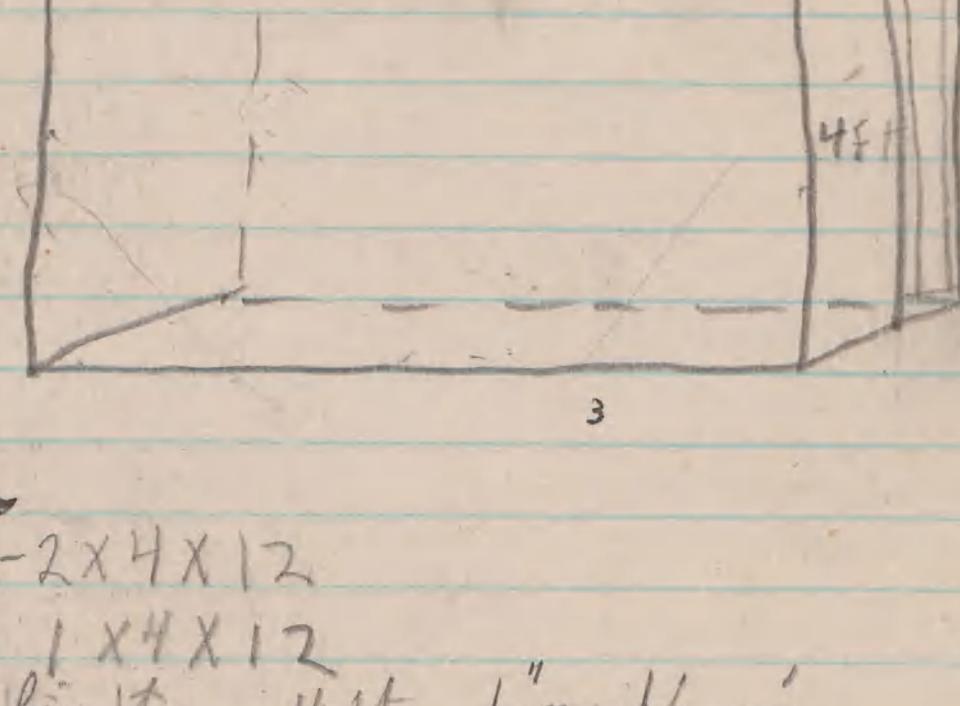
Aug. 8
Chipping Sparrow
Wilson Sparrow
-Doves
Avocet (hawyer)

25/6 Vermilion ♂ ad.
11 Vireo - wa ♂ ad.
12 " " ♂ ad.
1/3 Cuckoo - wa ♂ ad.
1 " " ♂ ad.

Aug. 9
Sage Thrasher
- Robin
- Flicker
- Mourning Dove
- Lazuli Bunting
- Sharp-shinned Hawk ~~nest 10 ft up in~~
- M. Gullaway ~~nest 10 ft up in~~
- Hummer ~~refugee~~ sides white under tail
- Traill's Flycatcher
- Long-tailed Jay ~~Pad 1073, 3 mi + 074~~
- Hairy Woodpecker
- Fox Sparrow
- Mountain Towhee
- W.W. Warbling Vireo ~~nest 10 ft up in~~
- W.W. House Wren
- " " Barn Swallow
- Redtail
- Clark's Crow
- Pine Siskin
- Hairy Woodpecker
- Virginia Warbler ~~nest 10 ft up in~~
- " " Woodpecker
- Mourning Dove
- Nuttall's Towhee
- Long-tailed Meadowlark

John of King, the rocky mtn jay of which
had the right coenurus was collected
longer than the left.

8



X8 - 2x4x12

4 - 1x4x12

.36 lin ft. 4 ft 1" needs wire

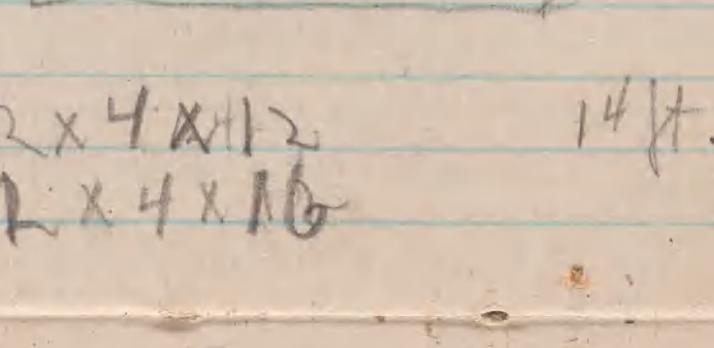
12 " 6 ft. 1 "

1 lb strap small.

1 lb 16 ct.

1 lb 6 ct.

1 pr 3" strap hinges.



1 - 2x4-14

1 - 2x4-12

2 - 1x4-12

2 - 2x4x12

14 ft. 3 ft wire.

1 - 2x4x16

Aug 18
- Sparrowhawk Utah Hot Springs

- Magpie

- Ring-necked Pheasant

- Red-wing.

- Spotted Sandpiper

- Night Heron

- Western Grebe

- Lazuli Bunting

- Yellow-shafted

- Yellow Warbler

- Swainson Hawk, Pigeon.

- Crows broken wing (J).

- Lesser Yellowlegs

- Coot

- Greater Scaup

- Killdeer

- Greater Yellowlegs

- Marsh Hawk

- Kingfisher

- Canada Goose

- Barn Swallow

- Marsh Wren

- Starling

- Mallard

- Blue Heron

- Pintail

- Meadowlark

- Cinnamon Teal + 4

- Mr Ring-billed

- Calif gull

- Red-tail Hawk

- Ruddy Duck

- Marsh Wren
 - Blue Gull
 - Horned Lark
 - Least Bittern
 - Yellow Shrike
 - Common
 - Sedge W. & Marsh
 - Snowy Egret
 - Killdeer
 - Pintail ~~most 100%~~
 - Colder
 - Virginia Rail
 - Willet - many young fish and test
 - Ruddy Turnstone - ~~young and not ideal~~ 100%
 - Common Teal
 - Green wing Teal
 - Gadwall
 - Red-billed Gulls
 - Mallard - ~~test~~
 - Duck
 - Ica
 - Snowy Egret
 - Black Tern
 - Spotted Bill
 - Raven
 - Pelican
 - Mr. S. Godfries
 - Willet
 - Great Blue Heron
 - Goshawk

water down by 1000 ft. 97
tree line comes down to 10,000 ft. Birds
could see it from hillsides in
land.

As a result of

~~almost entirely of sand & gravel
comes water containing fine
gravel. In fact the Peccary comes
up the course of Valley Well.
Pintail ~~SHILL~~ ~~SHILL~~
~~SHILL~~
~~SHILL~~~~

January
20

Planned-Created
Business -

~~Oppose~~ -
or want

of gunnings still in vigor
so far
Point 1129 Alphas etc.

Another 112.8 pellmace area
extended around lower inflow
channel formed a thin soil
layer a small amount of green & over
hung like that.

Realty Point - 197

Aug 12

Gull ~~BBH HHH~~
S. Gull ~~H HHH~~
Arctic //
Spoonbill //
Fulmar //
Ours 1

a g 12

- Barn Swallow
- Rose ~~109 6~~
- Flock Sun ~~H H~~
- Marsh Wren
- Canada Goose
- Night Heron
- Yellow-shaft
- Barn Swallow Sparrow
- Empidonax
- Cetti's Gull
- Sandpiper 75 plus small flocks
- Song Sparrow
- Chestnut Blue Hen
- Spotted Sandpiper
- Yellow Warbler
- Meadowlark
- Field Lark
- Red-shafted Flicker
- Silverside
- Killdeer
- Common Tern
- Gull
- Kingbird
- Red-tail Hawk
- Red-tail ~~H H~~ young
- Black Tern ~~H H H H H H~~
- Wilson's Gull
- Duck Hawk

Aug. 13

- Barn Swallow
 - Bullock's Oriole
 - Cedar Waxwing
 - Black-headed Grosbeak
 - House Finch
 - Anna's Hummingbird
 - Western Tanager
 - Golden-fronted Woodpecker
 - Acorn Woodpecker
 - Chestnut-backed Chickadee
 - Chestnut-sided Warbler
 - Townsend's Warbler
 - Golden-crowned Kinglet
 - Hermit Warbler
 - Great Crested Flycatcher
 - Great Blue Heron
 - Ring-necked Pheasant
 - Mallard
 - Green-winged Teal ♂ ~~1075~~
 - Gull
 - Grouse
 - Gull gull
 - Gull
 - Widgeon
 - American Goldfinch
 - Western Tanager
 - Spurred Towhee male in bright yellow feathers
 - Godwit
 - Phalarope

~~any other male slightly weaker
and the ~~left~~ right leg
slightly above the right.
Probably not long distance~~

could barely make them, though
hung loosely and loosely, and
would catch it difficult as
but was used with good effect.

~~good enough with each batch
brown eggs~~ ~~and brown eggs &~~
~~light with light~~ ~~light~~ ~~light~~
~~light~~ ~~light~~ ~~light~~ ~~light~~ ~~light~~ ~~light~~

distended slightly, flaccid, with
water filled this mouth open
very well, tongue loose at sides
but now in ~~the~~ ^{the} tail, support head.

Another 3 digits written this
last and top ~~top~~ was dictated
inferred

~~It~~ possibly entirely helpless, now
laying eggs in wings like frogs and
adults live above water, ~~and~~ ^{and} land.

picked up then going down back
of a bird mounting into
sterneal position bone green
greening + + + + + + + + + + + +
feathers with a bit white
and white

Cinnamon Sol? not coded
not seen from time of sides
could detect no difference so as if
just eyes black fine strong
dark brown

from 3 to 100% down
as they come to the nest
just nothing to ages passing by
but with the tail with slight
greening

Pintail ♂ could not support
head and took 100% to eggs
watered down green just
another ♀ around though
head white

Yellowhead

~~107~~
107.6 }
108.1 } 99.
~~108.4~~

Aug. 14

- Lesser yellowlegs
- Black headed grosbeak
- Solitary Sandpiper
- Barn Swallow
- Yellow head ♂ larva
- Right turn ♂
- Winter Tern ♀ ♀
- Ibis
- Barn Swallow ~
- Yellow Warbler
- Virginia Rail
- Canadas back
- Pintail
- Grinning
- Sweet
- Bull.
- Cinnamon Teal.
- - - bird
- - - bird
- Terlet.
- Magpie
- Dr. Swallow

- Aug 15
- Yellow Warbler
 - Solitary Sandpiper
 - Cowbird
 - N. Turnstone
 - Red Phalarope
 - Sanderling
 - Pectoral
 - Greater Yellowlegs
 - Franklin's Gull
 - Marsh Hawk
 - Red-necked Phalarope
 - Barn Swallow
 - Meadowlark
 - (House Finch)
 - Spoonbill
 - Gull-billed Tern
 - Marsh Hawk
 - Virginia Rail ~~105-6~~
 - Killdeer
 - Avocet
 - Mallard
 - Coot
 - Semipal.
 - Greater Scaup
 - Flock of Terns
 - Pintail
 - Cinnamon Teal ~~105-6~~
 - Black Tern
 - with Buttons
 - Gull
 - Pelican
 - Pine Siskin

65 Quacking 34-29-9-6-4-13-8-5

22 Pintail 1-4-2-1-7-3-4

1 Gull 1-1-1-1-3

5 Mallard 1-1-1-1-1

1 Gull 1

1 Avocet 1

1 Red-necked Phalarope 1

7/12

P. No. 15

Aug. 16

- Bobolink
- Blue Tern
- 10" Bufflehead
- Goosander
- Pintail
- Coot
-
- Ring-necked Pheasant
- Mallard
- { Snowy Heron
- { Green Heron
- { Night Heron
- ✓ Ruddy duck.
- Canada Geese.
- Dusky Duck
- Coot.

2 Dead
2 Pintail
2 Mallard
2 Avocet

1 Dead
1 Pintail
1 Seal } 16

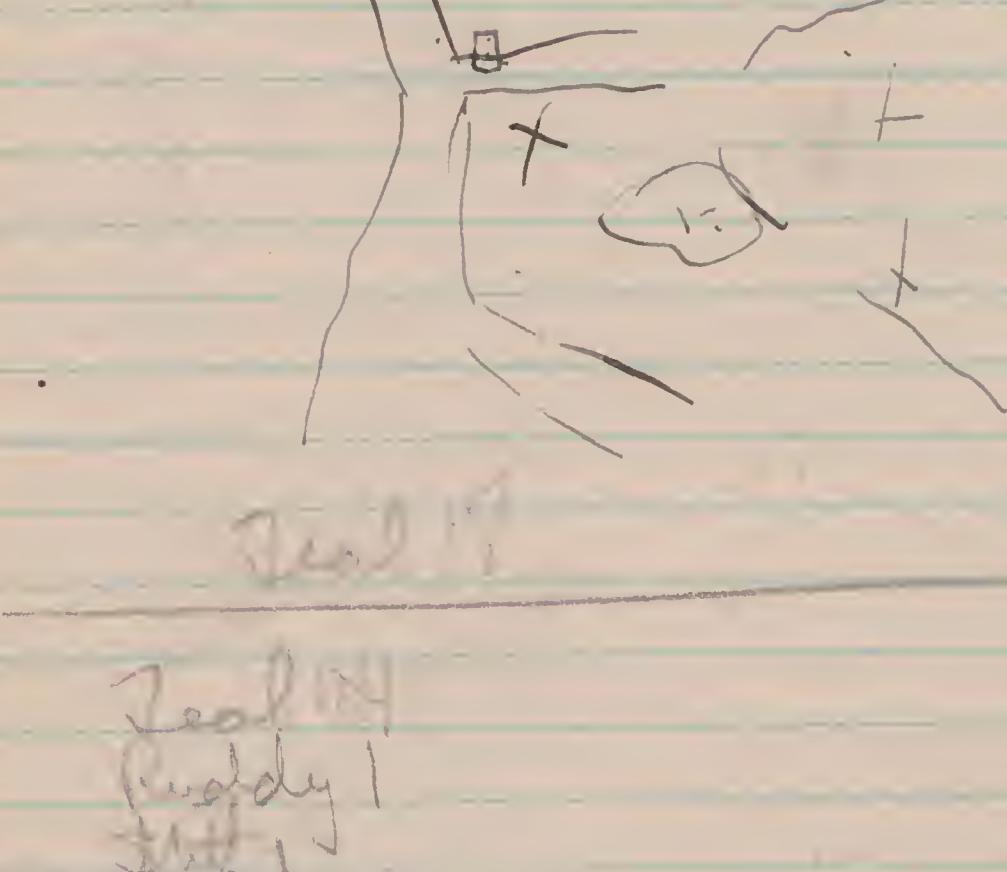
released

1 Avocet 17

Aug. 17

- Barn Swallow
- Bank " "
- Tree "
- Cedar "
- Caribbean Tern
- Gull " "
- Magpie
- Semipal. Sandpiper
- Killdeer
- Night Heron
- Bullock's Kingbird
- Yellow Warbler
- Grackle " "
- Pintail
- Marsh Hawk
- Banana Flycatcher
- Redwing
- Flicker "
- Kingbird
- English Sparrow
- Magpie (adult)
- Great Blue Heron
- Obitis
- W. Gulls - many seen
- Coot
- Stilt
- Killdeer
- Mallard
- Ruddy Duck
- Avocet
- Green Heron
- Burrowed

Other strand will be
my
the end of the
of Clark
the water
among many others in and
that will be the long roadway



Tree 1

Tree 1
Folky 1

- Bobolink
- Barn Swallow
- Killdeer
- Golden Eagle
- Snowy Owl
- Yellow Head
- Barn Swallow
- Cow
- Common Pipit
- Fieldlark
- Green Siskin
- Marsh Hawk
- Chestnut Buzzard
- Bank Swallows
- Marsh Wren
- Green Winged Teal
- Black - G. S. still
- Pigeon
- Goldfinch
- Crested Horn
- Sparrow on Seal
- Cat
- Redwing Black
- + Barn Swallow
- Cedar Siskin
- Cowbird
- Cuckoo
- Greater Yellowlegs
- Cedar Waxwing
- Cedar Siskin
- Snowy Owl ~~10/3/1952, 10/1/1953~~

Then came Mabel from the Indian
show room 13th & 14th with
water strings. Carried into help
out & sleep by a cool enough
room. In the first come of the
Baptists carrying a supply of fresh
water home.

June 3 - Out the morning with
Sam & started to camp near
South Bend on the side of hill.
No houses there.

There were eight birds seen
in the air over the
valley from the ground - at
Murray's flats and 1. King pif
Gulls up Valley road and
Terns in the valley but not
by Allee from the region
Kosciusko. But very much.

June 4 - Wild
Friend of Bear River Duck Club
says that in October he has found
numbers of long bills sick on the
flats at winter nest. They are the
birds he handled off his regular
about 100 last year a month
around when the water up to

3
The flats north of the River were
from the air like pintails come
in in great numbers to feed on
and other fish and kept
moving on through flooded flats
he said at least a hundred
of new birds helpless and
died dead.
The Doubt always is what
about the rains flooded the land
up flats.

- Aug 21.
- Lucy Sparrow W.O. Belnap
Ornithologist
R. F. D. #1
Hooper, Utah
- House Sparrow
- Brown Redgebird
- Yellowhead
- Kingbird
- Swallow
- Wilson Phalarope
Morning Dove
- Meadowlark
- Barn Swallow
- Gulls
- Mallard
- Cinnamon
- Billed
- Great Blue Heron
- Snowy Heron
- Curlew
- Rock Swallow
- Ring-bill Gull
- Gull
- Sooty Tern
- Common Teal Shovard Cul
- Mallard
- Bon. Shoveler
- Plover
- Night Hawk
- Goldfinch
- Yellow Warbler
- Night Heron
- Marsh Hawk
- Phalarope Steg.
- Magpie

Geo. Williamson lost 75 or 100
ducks in 1910 in slough
at the prov. West Point.
Sick ducks by Messrs. Stoddard
& Simpson in 1914

Grill malady stomach
filled with mud.
One malady
mudhen
Term mucus.

Utah & Idaho Sugar Co. 1898
3 miles from Ogden
3 2 283
17.60
19.60
125
95.00
352.0
17.60
2207.00

John Stoddard
Tom Simpson.

Aug 21

- Barn Swallow
- Marsh Wren ~~105.7 105.8~~
- Killdeer
- Northern Gannet ~~105.7 105.8~~
- Night Heron
- Bank Swallow
- House Wren
- Goldfinch
- Canada Goose
- Sooty Tern
- Common Yellowthroat
- Eastern Kingbird
- Green Heron
- Pileated Woodpecker
- Avocet
- Stilt
- Moorhen
- Blue Heron ~~105.7~~
- Ind. Blue Heron
- Killdeer ~~105.7~~
- Savanna Sparrow
- Pintail
- Mallard
- Snowy Egret
- Vireo
- Common Tern
- Bobolink
- Night Heron
- S. Snowy "
- Avocet "
- Stilt
- Common Tern
- Green-winged Teal
- Hutton's Vireo
- Empidonax
- Raven
- Foster Tern
- Cinnamon Teal
- Black Tern
- Mallard
- Long-billed Curlew
- Great Blue Heron
- Lesser Scaup
- Golden Eagle
- Ibis
- S. Pectoral
- Litter
- Savanna Sparrow
- Plover

Ind 10-8

Mallard

Pintail

Aug 25

- | Barn Swallow
- | Bank
- | Tree Swallow
- Marsh Wren
- Yellowhead
- Bobolink
- Night Heron
- S. Snowy "
- Avocet "
- Stilt
- Common Tern
- Green-winged Teal
- Hutton's Vireo
- Empidonax
- Raven
- Foster Tern
- Cinnamon Teal
- Black Tern
- Mallard
- Long-billed Curlew
- Great Blue Heron
- Lesser Scaup
- Golden Eagle
- Ibis
- S. Pectoral
- Litter
- Savanna Sparrow
- Plover

Aug 21

- Spurred Hawk
Saker Hawk
Red-tail Hawk
Peregrine Hawk
Gull-billed Tern
Brown Booby
Spoonbill
Black-faced Spoonbill
Frigatebird
Red-tail Hawk
Pintail Duck ~~Reindeer VI~~
Olive Gull ~~Reindeer VI~~
Brown Booby ~~Reindeer VII~~
Spoonbill ~~Reindeer VII~~
Black-faced Spoonbill ~~Spoonbill II~~

Pintail Male 9-2
Pintail Male 9-3

Final - Main
Project - " - 9
S

mai 11 1013
aub 11 95

local	water	101
local	"	98
local	"	102

1(2)	4	105.9
		106.9

Digitized by srujanika@gmail.com

8/15 000

~~SUER~~ 10 = 2

~ Greenwich

~~124.6~~
~~125.0~~
~~127.0~~

			102.7
"	♂	102.0	
4	17	103.3	
"	"	103.0	
"		99.2	
"	♂	104.	
"	"	103.	
"	"	101.	
Spotted Bill		♂	102.
Gruning		♂	106.
			104.

11 11 106.2
11 11 105.6

1983
1955

11 105.7
11 105.3

" 105.
" 142.

104-
107-

3 102
11 167

" " 141.

" 101-
" 103-

" 102.2
" 102.2

10
10

101.6 101.6

96-2

" - 3-107-
108

101
102

Grouwing ♀

102.9
98.2
99.1
97.2
103.3
98.2
104.2
104.
104.4
102.7
103.0
101.0
103.1
104.2
104.4
102.6
103.5
102.5
105.8
103.4

3rd

in 100.00

Read in pen this morning

- { still
- { away
- 2 teal
- 1 Albie
- 1 Pintail

+ Pintail released + \$1.00 bill.
+ Pintail 2pm died from new lot

~~Pintail~~

died Aug 25

~~2 - 1.00~~
~~2 - 1.00~~
~~2 - 1.00~~

~~Avocet~~

died Aug 29

Spoonbill 1
Mallard 1
Pintail 1
Teal 2

Aug 25

Barn Swallow

Beak

Zone

(2)

- Night Heron
- Solitary Sandpiper
- Jack Snipe
- Killdeer
- Marsh Wren
- Sedge Warbler
- Coot
- Gull-billed Tern
- French Tern
- Greater Yellowlegs
- Scaup
- Great Blue Heron
- Green Heron
- Mallard
- Common Teal
- Pintail
- American Wigeon
- Calif Gull

dead 29

- 2 Teal
- 1 Pintail
- 1 Mallard
- 1 Sp. Pintail

Aug 29

Night Heron

Snowy Egret

Common Moorhen

Common Gallinule

Barn Swallow back wing negated

Scaup "

Pintail "

Mallard "

Common Moorhen

Greater Yellowlegs

Blue Heron

Common Sandpiper. wing dark except

Calif Gull "

Common Teal

Pintail "

Mallard "

Common Moorhen

Greater Yellowlegs

Snowy Egret

Common Moorhen

Common Moorhen

Pintail 11

- Teal 2 2

- Mallard 4

Coot 2

Avocet 1

40
22

107
Hg 3

Aug 30

- Patter
- Bobolink
- Barn Swallows getting good
- Paint
- Tree
- Robin
- Magpie
- Mistle Thrush
- Night Heron
- Raven
- Gaggle
- Yellowhead
- Great Blue Heron
- Cormorant
- Canarback
- Coot
- Spotted Sandpiper
- Banana & Johnson
- Redwing
- Kildar
- Marsh Hawk
- Greenwinged Teal
- Duster Teal
- Black " "
- Greater Scaup
- Fox Sparrow
- Gulls
- Mallard
- Redwing
- Pintail
- Kingbird
- Cinnamon Teal
- Avocet
- See Aug 29
- Snowy Heron
- Ringbilled Gull
- Brown Sparrow
- Dark Sparrow
- Mr. Dove
- Meadowlark
- English Sparrow

Mallard dr pen # 1 Aug. 30.

Mallard	7
Spoonbill	2
Cinnamon Teal	2
Green-winged Teal	53
Pintail	18
Avocet	1
Coot	2

85

No. 2.
Birds O.K. Jaess round

No. 3
Birds O.K. . .

earth in shell boxes.

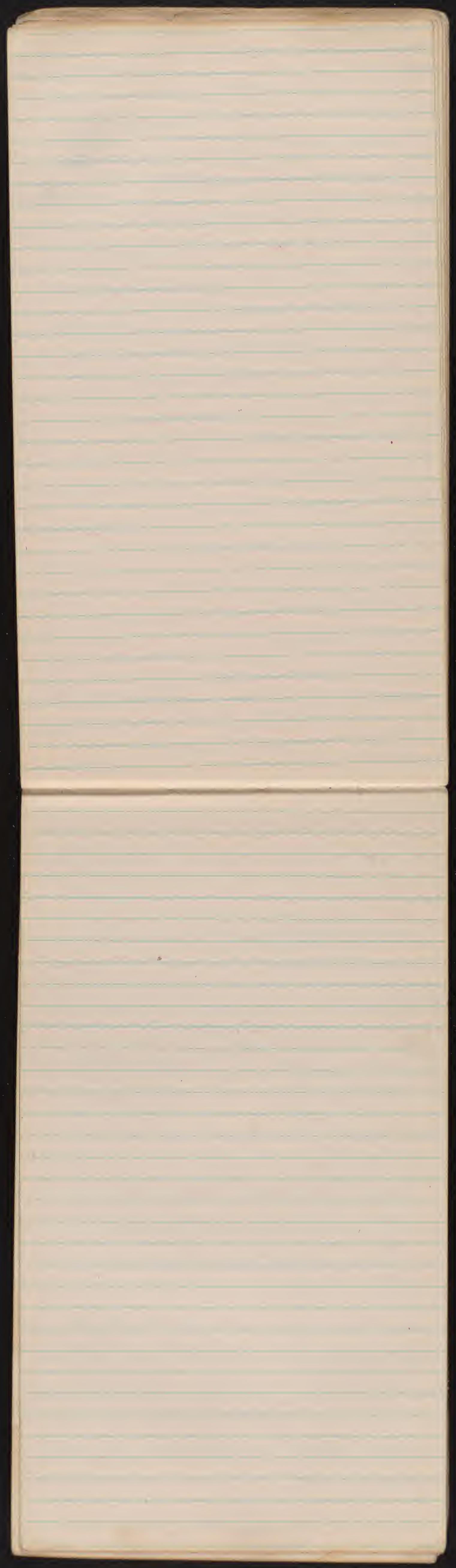
Find gull nests

Aug 10

July 12, 1911, Agassiz National
Game Refuge - City of Anamosa, Iowa

- Flicker Aug 31
- Sparrowhawk
 - Mourning Dove
 - Robin
 - House Sparrow
 - Meadowlark
 - Barn Swallow
 - Swainson Hawk
 - Barn Swallow
 - Fieldlark
 - Kingbird
 - Mr. Belding
 - Marsh Hawk
 - Mr. Vesper Sparrow
 - Sparrow of Sparrow
 - Horned Lark

On meadow land of New State
Loring's back.
First seen with infected
feet on 29.



Sept 5 - 1914

Green King ~~111 111 / 111 111 6~~ dead
~~111. 2 2 2 2 3 / 3 1 3 1~~ (- 23)
~~dead eggs~~

Birds 111 111 111 111 8 dead

~~111 111 7~~ — ~~8 put in cage~~

Mallard 111 (3 dead)

— ~~1 put in cage~~

Widgeon — ~~put in cage~~

~~Spurhill + 2~~

— ~~1 put in cage~~

~~Cloudy~~

~~Sleet~~

~~Cinnamon Leaf~~

~~Rag-wild root~~

~~Cattail~~

Pintail shot affected
Crucian or teal

~~Tragulus maurus~~ stomach stones
~~not eaten~~ isolated

Horn 2547

Pintail ♂ 60

Obis ♂ 2

Pintail ♂ 2

\$ quail ♂ 2

Crucian ♂

Cootria

2548

2549

Pintail coeca distributed with
blood.

Graz	♂	3	
Vireo	?		2550
Cigalletta	♂	7202	2553
Manila	♂ m.	7203	2551
Falco	♂ m.	7204	2552

Head Sept 5

- Sponbill

Sept. 6

- 7/1 Coot

- 7/1 Greenwing

Sept. 7

- 1 Pintail

- 2 teal

- 1 Coot

- 1/2 teal

- 1 Sponbill

- 8 Mallard

1/2 Pintail

Exper pen

Teal 2 - 1 - 1

Pintail 6 - 1 - 1

Mallard 1 - 1 - 1

51 129 129
29 153 153
29 153 153

13 duck 21 duck 15

5/3 2/3 4/11

- Red-billed Gulls } 6

- Brown Gull } 12

- Barn Swallow

- Green Heron

- Blue Heron

- Cuckoo

- Common Gull }

- Sharp-shinned Hawk

- Kingfisher

- Pintail

- Common Merganser

- Mallard

- Green-winged Teal

- Redhead

- Killdeer

- Tit

- Godwit

- Avocet

- Willet

- W. Sandpiper

- Coot

- Greater Scaup

- Glaucous Gull

- Gull

- Great Blue Heron

- Night Heron

- Cormorant

- Snowy Heron

- Sora

- Sharp-tailed Gull

- Spotted & S. Gull

- Grebe

- Barn

- Goldfinch

- Redstart

- Flicker

- Sq. Thrush

- Magpie

- Marsh Hawk

- Buzzard

- Hen Harrier

- Sparrowhawk

- Meadowlark

- Ring-billed Gull

- Bank Swallow

✓ 12 ducks 10 20

✓ wheat 1.00

✓ box for duck 1.10

✓ parcel post 2.20

✓ lumber 2.55

✓ drayage .50

14.55

10.00

4.55

5.00

- 1 Teal
- 1 Mallard
- 3 pintails
- 2 Scaups
- 1 Merganser

} dyed
during
absence

- 1 Pintail put in
- 1 Mallard

- 2 Teals

- 3 Pintails got away.

Sept 7

- direction of ENE

 - Common T.
 - Barn Swallow
 - Kildare
 - Stilt
 - Marsh Wren
 - Cuckoo
 - Common L.
 - Green Sandp.
 - Common Gallinule
 - Snowy Heron
 - Yellow Shank
 - Little Blue Pigeon
 - Pintail
 - Gull
 - Dust Hawk
 - Avocet
 - Oystercatcher
 - Lesser Yellowlegs
 - Fork-tailed Tern
 - Sooty Tern
 - Bittern
 - Great Egret
 - gull like
 - Dust Hawk
 - Black Tern
 - Redhead

Brought in
- 2 Greenwing
- 1 Common or
Kittiwake -

ducks fishing:

卷之三

61205 m

6/30/5

#3 2nd crop not bright
probably set down by
other Q. P. water apparently
not bone-dry but very little
grass visible. Wheat from last
night - 100% dry. ~~Strong odor~~
of H₂S & evident

14 birds alert. ~~few apparent~~
were grasses thin. water $\frac{1}{2}$ go
wheat grass.

#3 sick bird with drawn in

reck'd enough what gone
not firm & current on cage.
we wished every few.

Sept 8 7 a

1

10 birds on field outside though
none here over island for over day.
2 birds made the slow flight food eaten.

6 one dyed gramma, tiny and
one yellow bellied.

very little wheat taken 2 birds
with closed eggs. All sun.

3 Birds still in field. Wheat
not taken, very little water gone and
soil dry, not muddy. 1 qt water
added to each bird.

4. 2/5 of wheat remaining. Birds
active and much wheat eaten

faces soft, feeding the standard

5 six birds a little water no

other change much wheat yet in

Cups.

6 1 in field shadow on water,
others active water test with feather

all pushed food back. Mattered

or pulled back

added another seed at 8:15

wind north then 49°

bar. rose up - in

2 birds flew off wild. None of

them stuck. 1 was

8 2 Pintails 1. 2nd 2 down 2. 30

(Mallard). On first day, deep 1 hour

now out and far away on 3rd day old

flats. from which he just

arrived no shade

Sept 7

2:45

- Barn Swallow # 2 moved
- Yellowhead 30 ft west year
- Down old shaded.
- Marsh Wren
- Magpie
- Gulls.
- Bank Swallow
- Night Heron
- Spotted Sandpiper
- Marsh Hawk
- Mallard.
- Snowy Heron.
- Coot.
- Grinning Duck
- Gull
- Gull
- Flock Tern Put in # 1
- Rusty Blackbird ~~21 22~~ ~~23~~ 24
- Indigo Bunting ~~14 15~~ ~~16~~ 17
- Bobolink ~~8 9~~ ~~10~~ 11
- Killdeer
- American
- Cowbird
- Painted
- Lesser Yellowlegs /
- Western Tern
- Lesser Yellowlegs
- Phalarope
- Gull
- Dusky Sparrow
- Red breasted Nuthatch
- Wren

active bed except where
water covers sand and

Mallard
grinning }

Chipping }

all other species of duck when
wind had blown sand on water
5% dead but most of them made
water about as fast as little
possible.

Sept. 11.

6:30

#3 Seal swimming went head
held up but eyes were closed.
Pintail with feathers in mouth of it.
Mallard lambs.

Drastic duck apparently well
but eat down vigorously.
Spoonbill little used. Found in 1

#4 Brule all action what
fairly well cleaned up jaws fairly
bottom one has gone jaws fairly
firm about vent.

#5 seal had some damage others
normal birds all swimming to

#6
#7 birds acting as usual Seal
stripped.

Davis

shot at big club last year 12,000
average of 100 per 1 year \$106.

no sale before 1940.

change in 30 years from salt to
fresh water.

birds from deep water to shallow
water ducks.

has seen old eggs few scattered here

$$\begin{array}{r} 106 \\ 30 \\ \hline 3180 \end{array}$$

— *—* *—* *—*
— *—* *—* *—*

- ~~thus all in water two caught
Can by putting bill & mouth~~

#6 1/6 dead bird, died a still
7 bill tips broken, 2 in water others all
alive. Bill tips broken with feathers of
own breast

#7 sick bird down on back with
long dried, account very weak
but could feel a spot weight on
leg, and down hair eyes closed
Other normal

#8. 1st. Chick had long white
down on back stained with small
soot on. Molted dropping;
domestic duck living & down
mostly molted in place visible feathering

#9. another 1/2 gone, band etc.
from right from right side.

#9. 1st. called as other birds
just like them down like baby bird
transient

#9 9th " additional dead"

over up in book. colored
the Monarch

Shrike

2 Nov

	Bays
#1 Gadwall I	1
2 G. I. III	5
#6 Teal III III	19
For Gadwall III	3
#1 Mallard I	2
Cinnamon Teal II	2
	32

Sept 5

Reptiles

Mollusks

Cinnamon Teal

Greenwinged



2:30 P.M.

1.5 placed on #1 overflow near outlet lake 1. Dredged sediments with mesh and placed on top of lake. Water at bottom current ran through it. Put in 8 Greenwings on Cinnamon. Brought up. In next they were. Birds were not given water until experiment was started. Some watered, Birds were all strong enough to swim. seemed to me to be individuals that would recover if conditions were right. Just small amount of water -

7.2 (in) (in) Birds all active
lungs wet in my mouth.
In water 3.1 not to speak
of swimming & wings
little water. Gated began to
open but then all the
White one soon after nips teal

Severely. Pinkeye very bad
all preened & cleaned.

Water from lake from
Dredge today. Chicks just
beginning out.

#8 (over) the water had
reduced swimming from 7.5 feet from
water. One 3.1 down to water
and with gurnish which is seen
at some of the new birds
already. The second one had
feathers in head pulled off bird
lying on back duck to water
all birds were quickly moved
from to water later. One pintail
smelled rather foul. Such a tail
notched by sharp beak which
most all feathers. Was bad
feet & lost its feet but others
tramped it up. That I took it out
of water. Bird right quickly
bleeding still in one leg down yards

Sept 9 P.M.

~~2 Geese~~

~~1 Cinnamon~~

~~1 Mallard~~

~~2 B. Teal~~

4 Pintos Dr | math

other duck in water or rather damp.
gave great alarm.
At 6 3 had green wings, 18 on board
others in water like Sora flocks silent

then two crowded against for warmth
Four birds making Head with each
breath. One when wings
are in water. Long wing
9 Pintails alert. Feeding
mainly around can keep them

~~recently gone along in Brazil
but I will send you a copy of it in
old country with others.~~

~~Flowers & tails of State all
over me when I come away~~

9 8.11 white & green

3 Mallard west. Brownish
dark. White sides with

~~the 400 ft. - which~~ began
Aug 16 H. 800' Sept. 5 - Sept.

6	H_2SO_4	Sept. 3 -	Sept. 11
" 7	MgCl ₂	5 -	any time
" 8	Lake H.	6 -	Sept.
" 9	down duckie	Aug 31 -	
10	soot	Sept 9 -	Sept 11

" 10 maggots Sept 1 - Sept. 14
" 11 ~~spur~~ spur

" 12 " #6 \$118- 1
" 13 Lake - 2

14. rock birds m 1 c off. 9 -

To Garland on Sept 15.
Arr. Dallas 15

S. of Lake on I. 16 Corinne 18
New State " " 17

1929 Jan 3 Sat

When #6 ^{year} comes out begin new
Experiment on wheat acids.

On 15th will have phone 4, 2, 7, + 1D available.

Aug 16 1956
293 adults made on whaling
Aptenodytes adeliae in water

#6 eye shot on back the crack
+ with eye shot it was off when
put in water. (the was much) Sandif

had no heat when we were sitting in
bed to help warm the girls as they
slept well.

7 dead off the back water
and 3 in canal.
#19 Two of the sandpiper

~~It's~~ ~~and~~ ~~very~~ ~~a~~ ~~weak~~ ~~and~~
dentine due ~~to~~ strong fresh juice
noted ~~soluble~~ ~~fructose~~

#4. Bell and other words to be used
shown in the first of the two
Other side - word - other 3½ gm.

round West Kemp. 43^f

- Magpie
- Starling
- Grackle
- Cowbird
- Barn Swallow
- Barn
- = House Finch
- West. Meadowlark
- = House Sparrow
- Redwing
- Fieldlark
- Gnatcatcher
- House Sparrow
- Towhee
- Western Meadowlark
- Towhee
- Sparaga Sparrow
- Towhee
- Andover Warbler
- Gray Sparrow

several pintail duck in pond!

most filled in yesterday.

Previously had sand bottom.

Brought in by Ray 9 A.M.

- Avocet # III

- American Teal I

- Ringbill # II

- Mallard II

20 P.M.

5 Birds all active. Flying
and what

Added few more. Guessing
about 10 from # 2 this made

game could be another 10 rays
bird rather wet and one of 6

was much in cloud fed what

2 Birds all active as bright

most eggs two but most to give

all water. Birds all ate easily

6 Birds with water had to drink

one watered in which
one fat tail & Mallard gone silent

Most power washed birds and
what

#1 Four pintail down. 3 helpless
2 very weak. Head & wing bones
broken. Water would not able
swim. One bird swimming with
injured leg. Neck broken & feathers
broken. Red head. weak.

#6 One dead Seal, one very weak.
Were all in water. Two climbed up
moss at end of page. Half a dozen in
water with eyes partly closed
One about swimming. Other a bank.
Puffins ~~dead~~. Three Sandpiper sick
+ most others swimming about
but with ruffled feathers. All three
able to run with ease. Very tame
water.

#7 One Pintail down with neck
broken could not support head down
Stomach bright green fat + wings
dark. Just what I often found
after action.

#8 ~~dead~~ bird. No what was
#3 Red back. Wilson not broken
gave small squeak when spoken to.
#4 Birds down. One just had a
little weak white lice just
swallowed.

~~21 dead 28 intact~~ ^{left} 11 ^{7 pm 2/24} 3 helpless

one dead bird very thin
One mallard. Head in water
mostly.

#6 dead 1 corm. Seal 1 1/2
Lapwing 1 running. 1 Avocet.
3 Red wing on shore. Dead bird

Macramphus. alive but very weak
Seal down. Elapsed 3 weeks ago
and it went into shaking fit
regularly. Seal dead.

#7 One pintail dead. This gotten
when apparently no it was
dead last night. Two large
maggots eaten.

1/2 in O.K.

#8 ~~dead~~ bird. Mallard red.
apple green

#9 P.M. #2 Puffins from abating
red what orange few slightly
brown just now.

#5 birds all living. One with
one leg. Other all right two
very active.

~~Spotted P~~

- Sharp-shinned Hawk
- Red-tailed Hawk
- Gull-billed Tern
- Ring-billed Gull
- Herring Gull
- Bonaparte's Gull
- Gull-billed Tern
- Ring-billed Gull
- Black Tern

~~Common Tern~~

~~Red-billed Gull~~

~~Avocet~~

~~Greater Scaup~~

~~Blue-winged Teal~~

~~White-tailed Kite~~

~~Greater Yellowlegs~~

~~Brown Pelican~~

~~Western Gull~~

~~Red Phalarope~~

~~Pectoral Sandpiper~~

~~Northern Gannet~~

~~Great Blue Heron~~

~~Common Moorhen~~

~~Coot~~

~~Shoveler~~

~~Ring-billed Gull~~

~~Black Tern~~

~~Common Tern~~

~~Red-billed Gull~~

~~Avocet~~

~~Greater Scaup~~

~~Blue-winged Teal~~

~~White-tailed Kite~~

~~Ring-billed Gull~~

7:00 P.M.

F1 Fainted dead & died early yesterday.
2 Helped him lot of action bird noted from birds in bank, don't cleaned out & replaced by sand. Found dug away from front to our goal however.
F1 Fainted in water droopy.
H2 Seals in water two with Cataracts droopy. 2 Avocet & still on boat. Killdeer running but unable to walk. 2 Seal outside of W. Sandpiper etc. (no signature)
H3 No birds. Action extended all night long.

~~#1 Birds active but did not fly to nest when fed. Pop was~~

~~#2 Birds active but did not fly to nest when fed. Pop was~~

#5 down open + salt all gone
but two gull wings These two
very active.

#9 one Pintail - - - - - salted dry
then watered with a mire
now a fresh water bird more
likely than ever to return

~~20~~ - brought in ³²
~~20~~ - Pintail ~~16~~ 16
Cinnamon 9 ~~18~~ 11 15
~~2~~ - Mallard ~~1~~ 1 3 49
- Spurred 11 2

~~#1 3 Holes in back wing~~

~~#6. 2 Holes in front wings + middle
Mallard + teal altered by light~~

~~#40.K.~~

~~#3 no change~~

~~#4 no change~~

~~released
Pintail
Greenwing~~

~~#1 Exp 12
In dies position~~

~~+ helped in with~~

~~#6. And Pintail Count 2~~

~~Domestic~~

~~#3 no change~~

~~+ no change~~

~~8⁰⁰ A.M.
#1 3 N, 30.
1 Mallard, 1 Pintail, 1 Domestic, 1 Greenwing~~

~~8⁰⁰ Schw. C. 6^{1/2}
1 Mallard, 1 Pintail, 1 Domestic, 1 Greenwing~~

~~8 50 } Exports Train
or }~~

#1 - 11 Sept 13

Amberln Warbler
Brown Swallow
Yellowthroat
Marsh Wren.

#1 Dead Pintail 1 Mallard 7⁰⁰ 8.00

Other active birds very young
indeed. One can't walk.

#6 dead 1 Killdeer - Birds had

dig in the sand and a number
had escaped. Released w/

Sandpiper at few short distance

apart.

present 3 Rock U 3
S. Hill 1
Killdeer 1

#9 Birth 1

P 3 Birds O.K. return research soon

#11 .. . location ..

#7 Pintail found mostly right

much about as good

- Magpie Linn
- Shrike
- Kingbird
- Barn Swallow
- Red-tail Hawk
- Bittern
- Green-winged Teal
- Great Egret
- Ring-necked Pigeon
- Mallard
- Grouse
- Pintail
- Caspian Tern
- Co. of
- Snowy Owl
- Northern Tern
- Red-breasted Merganser
- Puddy Duck
- Bufflehead
- Green-winged Teal
- Ring-billed Gull
- Savanna & Sparrows
- Yellow-bellied Sapsucker
- Great Blue Heron
- Marsh Hawk

- Sept 16
- Magpie
- American W. Fly
- Sharp-shinned Hawk
- English Sparrow
- Noddy
- Goldfinch
- Barn Swallow
- Night Heron
- Spotted Towhee
- Robin
- Loon
- Yellow-bellied Sapsucker - Kingfisher
- Cuckoo
- Mallard
- Pochard
- Gull
- Snowy
- Greater Yellowlegs
- Northern Tern
- Pigeon
- Great Blue Heron
- Ibis
- Gulls
- Barn Swallow
- Pigeon
- Gull
- Green-winged Teal
- Red-bellied Gull
- Quail
- Barn Swallow
- Marsh Hawk
- Duck Hawk
- Bittern

501	Grasswing fly	561	Grasswing fly
2	Grasswing fly	2	Painted fly
3	" "	3	" "
4	Grasswing fly	4	Painted fly
5	Pintail Duck	5	Shoveler fly
6	Grasswing fly	6	Painted
7	Pintail fly	7	Grasswing fly
8	" "	8	Pintail ♂ in river
9	Grasswing in river	9	Grasswing fly
510	" " fly	570	P. ♀
1	Painted ♂ fly	1	Mallard ♂
2	Grasswing fly	2	Painted ♂ fly
3	Shoveler ♂ in river	3	Grasswing fly
4	Grasswing in river	4	Painted ♂ in river
5	" " in river	5	Mallard ♂ in river
6	Painted	6	Painted ♂ in river
7	" " in river	7	Grasswing
8	Grasswing fly	8	P. ♂
9	Mallard ♂	9	Painted ♂ in river
520	Pintail fly	580	Mallard ♂ fly
1	" ♂ in river	1	Mallard ♂
2	Painted ♂	2	Painted ♂ in river
3	" ♂ fly	3	M. ♂
4	P. ♀	4	Mallard ♂
5	Cinnamon fly	5	Painted ♀ fly
6	Painted ♀ in river	6	Painted ♂ fly
7	Mallard ♂ in river	7	Cinnamon fly
8	Grasswing fly	8	Mallard ♂
9	Grasswing ♂ fly	9	Pintail ♀ fly
530	Pintail	590	" ♂ fly
1	Pintail	1	Mallard ♂
2	" ♀	2	Grasswing fly
3	Grasswing fly	3	Painted ♂ fly
4		4	
540	Grasswing	600	P. ♂.
1	Painted ♂ in river	4	Mallard ♂ fly
2	Pintail ♂ fly on legs	5	Pintail ♂
3	" ♀ in river	6	Mallard ♂ fly
4	Grasswing fly	7	Cinnamon in river
5	Painted ♂ in river	8	Pintail ♂ fly
6	" " "	9	" ♂ in river
7	Stilt fly	10	
8	Pintail ♂ in river	11	
9	" ♂ "	12	
550	" ♂ " " one foot without web	13	
1	Cinnamon fly	14	
2	Grasswing fly	15	
3	Pintail ♀ fly	16	
4	P. ♀	17	
5	Pintail	18	
6	" ♀ fly	19	
7	Pintail ♀ fly	20	
8	Grasswing	21	
9	Pintail ♀ fly	22	
560	Pintail ♂ fly	23	

- Nettie	26
- Dalia	54
- Spatula	2
- Anas	12
- Onguidula	5
- Himantopus	1
	100

Sept. 17

~~not noted~~

#3 Birds all week

#4 Birds all week

#5 Birds all week

#6 Went to Petals - 1 gradwell

#6 17 ground

Sept. 17th

- Pectoral
- Flamingo
- Copper-throat
- Song Sparrow
- Western Gull
- Common Eg.
- Great
- Edmontian
- Blue
- Snowy Egret
- Mt. Shallowater
- Coot
- Yellow-leg
- Pintail
- Common Tern
- Lesser Scaup
- Gull
- Red-bellied
- Kingfisher
- Indigo Darter
- Green-winged Teal
- Ring-neck
- Broad-bill
- Least
- Bridger
- Common Teal
- Redhead
- Greater Yellowleg
- Gull

~~had almost~~ ~~been~~ ~~the~~
~~no~~ ~~greening~~ ~~yet~~

九月十日

For all things
of the world -

7-2 Cycle 1000 al. actres. 1000
(at 2000) 1000 al. actres. 1000

Seal in (Anjou) red ink. More
than a hundred years old.

~~5. low bed exposed above
water but not above ground
add to new str. 5.~~

~~F 3 birds in a pond~~

* 3 pigeons in a culvert under
floated shallow water across
the water & 1 teal

~~6-50 P.M.~~

~~no 1 added~~ ~~agouti~~

~~dead 2 agouti~~

4 Pintails & 1 Gadwall on bank

6 Pintails & 3 Mallards in water

with heavy vegetation 1 Mallard in water

6. dead 2 drowning ~~agouti~~

1 avocet partly dead collected

~~other 3 dead good shape. the~~

~~two others good~~

~~F 9 killed 220~~

33 birds taken nothing to go

* 4 birds eaten nothing to go

Sept 19 9:00 a.m.
1 dead ~~2 Pintails~~ 1 Mallard

all others ~~able to swim~~ though
I am Pintail & one gadwall were dead,

1 pintail though

6 dead ~~1 red + grey~~

1 red tail ~~red + grey~~

other others ~~red + grey~~

woodpecker ~~red + grey~~ 10 tail with eyes
closed

~~F 9 Q. 1X~~

* 3 birds eaten but quit

* 4 birds eaten

- ~~Accidental~~ Birds
- Spotted Towhee
 - Brown
 - Night Heron
 - Great Blue Heron
 - Snowy Heron
 - Kingfisher
 - Meadowlark
 - Magpie
 - Flicker
 - Cowbird
 - Cuckoo
 - Black-headed Gull
 - Least Gull
 - Ring-billed Gull
 - Marsh Wren
 - Brewer Sparrow
 - Townsend Sparrow
 - Red-shafted Flicker
 - Red-tail Hawk
 - Swainson's Hawk
 - Avocet
 - Long-billed Curlew
~~No Phalarope~~ - Pectoral Sandpiper
 - Snowy Plover
 - Calif Gull
 - Ring Bill Gull
 - Swainson's Sparrow
 - White-crowned Sparrow
 - Short-eared Owl

~~bad form at~~
~~stretches empty save for masses~~
~~of dead birds~~
~~quarantine~~ Anterior small firm
No the body thickened
the veins in the mucous surface
extremely thin distended with
intervallles the slender capillaries
running up into the skin were
noldened and enlarged, visibility
and within the duodenum and
the less extent in the gut
thickened.
got around and ready

~~Rockhead~~ no
Willard, San
~~water~~ ~~seeding~~ water in
spur with moderate current above
my knee in the center dark
greenish brown in color bottom lot
of six inches water alkaline with color
where it ran onto flats water
has been up water has decayed.
Sample taken in shallow very
salty Many seeds of chara
~~stone~~ washed up 1200 sq. ft
contained 200 duck ~~anoth~~
aver about 15 species contained 40
possibly 2000 to 2500 dead here
mainly old birds

→ Pintails with few Mallards
one Gull. 20,000 + 146 birds.

on west side p. 5 dead birds.
not quite so many on east bank.
300 in all. 3/4 of them Greenwings.
1 Snowy P. down, 5 about, 8 Mallard
rest I intend. 40 live birds seen.

dead more than two weeks.
The three counts
of it. Others were scattered
walked a mile to a line of
cattle tracks.
2 Widgeon seen on air.

- Migratory
- Ring-billed gull.
- Bonaparte's gull.
- Audubon Warbler.
- Calif gull
- Great Blue Heron
- Snowy Heron
- Coot
- Canada Goose
- Pelican
- ✓ M. b. dark.
- Foster Tern
- Sooty Tern & Sooty Ternpaper
- ✓ Meadowlark
- ✓ Mountain
- ✓ Black Tern
- ✓ Bittern
- ✓ Least-billed gull.
- Brown Pelican
- Gull-billed Tern
- ✓ Common gull
- ✓ Gulls
- Coot
- ✓ Marsh Hawk

epithelium on with sister didn't
want to absorb him or want
from admittance cause I ended up
freshman

tests absorbed matter is
that wash the kidneys gotten
thrown off.

fact that many come & we
are often an effect would be
to add this into. Can frequent
in more fresh marked.

freshman at a works creek
from as when we down it
mosquitoes to,

- English Sparrow
- Brewer Blackbird
- Magpie
- Western Sparrow
- Mourning Dove
- Ring-billed Gull
- Dow
- Glaucous Gull
- Snowy Sparrow
- Common Tern
- Spoonbill
- White-crowned Sparrow
- Wren
- Mallard
- Song Thrush
- Red-tail
- Cuckoo
- Avocet
- Gull
- Flock Starlings
- Vireo
- Forster Tern

100 dead fish dead es rapidly
by eating them. Pelican sick.

4 dead mackerel of 7 to
9 feet long and nearly all
eaten out. Much more fish will be
seen together.

55 yards above the dead line
on west bank in 10 fms and
in fresh water.

An open cut made in sandbar
with several boats

About 3' gone.

Bills up about 1000-10,000

But factory with 3 drains.

The opening of factory has killed
fish. Though the main part of the
hulls have gone they come in to
rest in considerable numbers in the
newly flooded lands and run
sun on the old channel but now
very sick. An addition dbris gulls
and Pelicans had gathered to the
fact of fish but now not troubled.

- King Eider, Arctic.
- Andaman Warbler
- Night Parrot
- Ibis
- Kingfisher
-
- Frost Tern
- Brown
- English Sparrow
- Coot
- Yellowhead
- Mourning Dove
- now dead
- just like Heron.
- long bill full
- Marsh Hawk.
- Red shanked Flycatcher
- Gullwing Gull
- Snowy Heron
- Western Grebe
- Sharp tailed Hawk
- Cormorant
- Duck Hawk

- 7th
- 10 birds seen in the marshy area near Dry Creek
 - 2 Barn Swallows
 - 2 House Finches very thin
 - 17 Bonelli's all yellow
 - 9 Birds of prey in back road
 - 3 Red-tails seen and shot
 - 10 birds migration

Dovey River 7/17/1911	
Brown Gull	25
Pintail	2
Quail	2
Mallard	1
Spoonbill	1
Coot	1
- peridgorn	36

- Pigeon
- Pigeon
- Magpie
- Bullfinch
- House Finch
- English Sparrow
- Pipit
- Andubon Warbler
- Marsh Wren
- Cormorant.
- Gulls
- Barn Swallow
- Ring-billed Gull.
- Red-tailed Gull
- Butcher
- Night Heron
- Snowy Egret
- Avocet
- Horned Lark
- Great Horned Owl
- Duck Hawk
- Marsh Hawk.
- Killdeer
- Green-backed Tatt.
- Calif Gull
- Sparrow
- Common Tatt.
- Wedgeon
- Killdeer
- - Sandpiper
- - Sandpiper

卷之三

- Raver
 - Common Tern
 - Marsh Wren
 - Snowy Owl
 - Canada Goose
 - Common Moorhen
 - Barn Swallow
 - Gull
 - Cow
 - Mink
 - Magpie
 - American Robin
 - Yellow-shafted Flicker
 - Goldfinch
 - Mourning Dove
 - Ring-necked Pheasant
 - Crows
 - Ring-billed Gull
 - Killdeer
 - Great Blue Heron
 - Young Bald Eagle
 - Arctic Tern
 - Marsh Hawk
 - Horned Lark

H10 gall action on P. t.
eaten

はい、
はい。

the England Action Plan which

By all means

~~grad. at 10°! : 9.30~~

100% by

you had that other marble

selected good well-drained flats (gravelly soil) between 1000 and 1200 m. elevation.

not stuck like a - goes who

		Sept 23	
602	Avoet	7	635 Pintail ♂
603	"	dimin	6 Gadwall ♂ flu
4	"	regular	7 Mallard ♂ flu
5	Spoonbill	flue.	8 "
6	"	"	9 Pintail ♀ avo.
7	"	" min	10 "
8	Cinnamon	flu	11 "
9	Gruetting	"	12 "
610	"	" min	13 "
1	"	" min	14 Mallard ♂ avo.
2	"	flu min	15 "
3	Cinnamon	"	16 Gadwall ♂ flu
4	Gruetting	"	17 Pintail ♀ avo.
5	"	"	18 "
6	"	"	19 "
7	"	min	20 "
8	"	flu	21 "
9	"	min	22 "
620	"	flu.	23 "
1	"	on min	24 "
2	Spoonbill	flu.	25 "
3	Gruetting	"	26 "
4	"	min. then	27 "
5	"	flu	28 "
6	Pintail	♂.	29 "
7	"	"	30 "
8	"	"	31 "
9	"	"	32 "
630	"	"	33 "
1	"	in min	34 "
2	"	flu.	35 "
3	Mallard ♂	in min	36 "
4	Pintail ♀	flu.	37 "

27 Gruetting ♂ dead from
+ death due to Hemorrhage
in rectum caused by
filled with blood. no trace
of malady.

	released
- Avoet	3
- Spoonbill	4
- Cinnamon	2
- Gruetting	16
- Pintail	13
- Mallard	5
- Gadwall	2
	45

Sept. 24. 7⁰⁰ a.m.
6 A dead Mallard on bank.

#6 contains 25 grammes all active.

#10 Gull weak moon fairly strong.
#7 birds active.

banded avocet seen most.

#9 K

#3 10.12 soft tissue many gone

#4 0.12 soft tissue many gone.

X

#8 birds active 2nd duck litter

#2 broke active had dug somewhat around from moved from a few feet water down in dock.

#7 ~~30~~ Potted a putrid gall with maggots.

#5 Placed in saline shallow pool of new water in flats bottom cracked.

- Pipit
- Magpie
- Raven
- Marsh Wren
- Redwing
- Avocet
- King Eider
- Horned Puffin
- Greater Yellowlegs
- Common Murres
- Night Heron
- Great Blue Heron
- Bittern
- Green-winged Teal
- Lesser Yellowlegs
- Spoonbill
- Mallard
- Horned Lark
- Pelican
- Obis
- Stilt
- Pectoral Sandpiper
- Ring-billed Gull
- California Gull
- Indigofera
- Goboball
- Pied-billed Grebe
- No. B. Gull

77 Grown up like this
8 " " " "
9 " " " "
10 " " " first
11 " " " thin
12 " " " "

Brought in	
Greenwing Teal	17
Snowy Heron	3
Stilt	1
Pectoral Sandpiper	1
Gadwall	1
Spurred	1
Mallard	1
	26

513 up
 652 man captured 924
 615

Vaseline	
Green-winged Teal	20
Pintail	10
Mallard	9
Snowy Heron	1
	40

24. 6:30 P.M.
 # H 7 Band very active just what
 was very surprised
 # H 1 2 Mallard went 1 Gadwall
 drake who alert very wary
 # H 6 1. T Heron by fence but it seemed
 the job done. P. helps
 652 returned all healthy.
 H 9 O.
 # 3 Mallard very active found
 teal with them solution 1/2 gm
 # 4 teal

Banded teal with # 3..

29 Dec

25

#3 west side station gone
birds active

#4 bird normal station gone

#5 le. from hill water not fed after
first of Dec. 37° water. the birds

OK. ledge remains. 4 greenlings &
a sparrow the ground bare

#1 one English sparrow & Mallard
Helpless others more or less feeding regularly.

#2 birds return now & active.

Banded Herons on property

683 Snowy Heron. captured

684 Coot

1/5 birds active fed what 10th a.m.

#8 bird active fed water muddy

- English Sparrow
- Robin
- Marsh Wren
- Barn
- Snowy Heron
- House Finch
- White breasted Sparrow
- Kingfisher
- Pectoral Gull
- June
- Magpie
- Goldfinch
- Meng's Black Phoebe Fish Hawk
- Horned Lark
- Lesser Scaup
- Night Heron
- Sparrows
- English Sparrow
- Lucy's Warbler (caught)
- Painted Tern
- Ring-billed Gull
- -
- Killdeer
- Gull
- Gulls
- Green Billed Gull
- Glaucous Blue Heron

F 2 placed seal 11:30 a.m.
with Tom same chick & 2 tail
from previous experiment
start sheet from No 9. White
scale from Warren naked &
& a solution prepared
of dirt to 10 pts water. Disty
methyl saline at each.

685. ^{quadrat} in river
6 Pintail ♂ in river
7 " 8 "
8 " 6 "
9 " 9 "
10 " 8 "
11 Mallard ♂ "
12 " " "
13 " " "
14 " " "
15 " " "
16 " " "
17 " " "
18 " " "
19 " " "
700 Pintail ♂ in river.
flame

released
{ 1 Greenwing
6 Pintail
9 Mallard -

6³⁰ P.M.

#9 of remaining birds O.K.
fed.

#2 water $\frac{1}{3}$ gone fed

#3 birds saline water apparently
not touched - fed

#4 water more than $\frac{1}{2}$ gone birds
ate

#6 Horn Activa ate twice
today. Still helpless, return
O.K.

#1 Two mallard + 1 Pygmy tail
on bank helpless - return O.K.
Dead Mallard

#7 all active

| Mallard dead.

Sept. 26

7:00 a.m.

#1 Dead Mallard. One Pied and
helpless. One Mallard weak. Other
other banded Pied and Mallard
outside.

#6 Still weak. Return O.K. Horn
much improved. ate long car.

#7 Birds all active. put out split
to expose maggot.

#9 O.K.

#2 solution "2. gone. no change
in birds. Solution removed

#3 no change solution removed.
Jaws hard & firm.

#4 no change solution removed.
Jaws thin.

- Barn Swallow²⁶
- Roven
- Silican
- Song Sparrow
- Calif gull
- Cormorant
- Yellow head
- Western Warbler
- Gulls of sea
- Mallard
- Pintail
- Great Blue Heron
- Night Heron
- Snowy Heron
- Marsh Wren
- Dowitcher what wheat
- Killdeer
- Curlew
- Western Sandpiper
- Least
- Ring Billed Gull
- Coot
- Greater yellowlegs
- Duck Gull
- Phalarope

North Bay clean birds on shore
heggs following return.

Black Sun dried

Cayugt in
Pintail 111

Widgeon 1
Crisp in Feb 1

Sept 21

7:00 PM

- #1 ~~Birds~~ ~~all~~ in water. Malled
↓ painted much after you
#6. Cinnamon seed dead stuck
on jet. From P. L.
#7 Birds action
#8 R. L. from you
#2 One bird reacted sharply
dumpy white not all eaten too.
white face notes. solution $\frac{1}{2}$ grain
#3 No change. solution $\frac{1}{2}$ grain &
I 4 no change solution $\frac{1}{2}$ grain
removed.

#5) fed wheat birds ^{3:00 PM} action
point noted.

#8 fed wheat. birds action

- Sept 28
- #1 Pinted 1/4 weak other 0%
#2. 1/3 possible weak
#3 self action
#4 6%
#5 rather inactive, had not
eaten much. Jaces him & with
water & gone
#6 2/3 change. solution 2/3 gone
wheat taken all off.
#7 4 solution 2/3 gone which indicates
birds active.

#1. Widgeon dead.

1:00 P.M.

-
- Goldfinch
 - Barn Swallow
 - Green T. finch
 - Marsh Wren
 - Redwing
 - Sing Sparrow
 - Juvenile Granner
 - Snowy Bum.
 - Cedar Waxwing
 - Ruby-crowned Kinglet
 - White-crowned Sp. down
 - Cedarmediah "
 - Hermit Thrush
 - Andover Warbler
 - Mr. Grabe
 - Montezuma Dove
 - Baby grabe
 - Fuscina Sparrow
 - Pipit
 - Raven
 - Nighthawk

701	Stilt	♂	
2	Downy Heron	♂	fliv
3	Spoonbill	♂	fliv
4	Grebe	"	"
5	Pintail	♂	"
6	Br. Pigeon	♂	in river
7	Pintail	♂	fliv
8	"	♀	in river
9	"	♀	in river
10	"	♀	fliv
1	Gadwall	♂	in river wings worn
2	Pintail	♂	fliv
3	"	♂	" fat
4	Mallard	♂	pt.
5	Pintail	♀	" pt.
6	"	♀	" "
7	"	♀	in river " part kind in back
8	"	♀	fliv
9	"	♀	" "
20	"	"	" "
1	"	"	" "
2	"	"	" "
3	"	♂	" picked & worn off
4	"	♂	" "
5	"	♂	" "
6	"	♂	" "
7	"	♂	" "
8	"	♂	" in river
9	"	♂	" fliv
30	"	♂	" "
1	"	♂	" "
2	"	♂	" in river
3	"	♂	" "
4	"	♂	fliv.
652	Trad released		
735	Pintail	♂	in river
6	"	"	" "
7	"	♀	fliv.
8	"	♀	" "
9	"	♀	" in river
10	"	♂	" "
1	"	♂	" "
2	"	♀	fliv.

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5	n	n	n
6	n	n	"
7	n	n	"
8	n	n	"
9	n	n	" flat
50	n	n	" ..
1	n	n	in snow
2	n	n	flats
relocated			
Stilt	1	1	1
Snowy Heron	1	1	1
Spoonbill	1	1	1
Grebe	2	2	2
Plumbeous	1	1	44
Widgeon	1	1	1
Redshank	1	1	1

Jadwall
Mallard |
 52

Sept 29 7
birds from
753 grooming flew
4 " "
5 " "
6 "

757 Pintail 3 ~~do~~
Mallard 3 ~~do~~
9 Grouse 3 "
60 Pintail 3 "
1 "
2 "
3 "
4 " - 3 flew
5 "
6 "

Sept 29 2.20 PM
#8 birds all active. Flocked
down & released. 2d activity
especially grooming action

#3 Chirped a wattle peak.
Others strong. No flocks
or releases. Some small
flocks gathered.
No grooming.

Warren's checklist

1/2. Seal dead or gone
Other birds seen in a later
region - seal untouched

Det. 1

- Flicker
- Common gull
- Calif gull
- Pintail
- Greenwinged Teal
- Greenwing " 3
- Gadwall " 6
- Merganser 3
- Mallard
- Redhead 2
- Canada goose
- Abies
- Avocet
- Curlew
- Western gulls
- Audubon's Warbler
- Zonotrichia leucophrys
- Fox Chipping Sparrow
- Savanna Sparrow
- Marsh Wren
- Ruby-crowned Kinglet
- Goot
- Pelican
- Long-billed gull
- Night Heron
- Snowy "
- Great Blue,
- Bullock's
- Arctic Sandpiper
- Long-billed Dowitcher
- Cliff Swallow
- Redwing
- Raven] - magpie

Oct 2

- Flicker
- Goose
- Jackdaw
- Red wing
- Song St.
- Snowy Owl
- Night
- Mourning Dove
- White-tail
- Ring-billed Gull
- Northern Bobbin
- Cuckoo

- Oct 3
- English Sparrow
 - Myna
 - Starling
 - Green-towork
 - Song Sparrow
 - Oriole
 - Chestnut-backed Chickadee
 - Mountain Bluebird
 - Long-eared Chickadee
 - Kingfisher
 - Night Heron
 - Chukarina Snowhys.
 - Flicker
 - House Sparrow
 - Ruby-crowned Kinglet
 - Pine Siskin
 - Venetian Sandpiper
 - Robin
 - Killdeer
 - Osprey
 - Hairy Woodpecker
 - Red-tailed Hawk
 - Townsend Warbler
 - Spotted Towhee
 - Red-tailed Gull
 - Cuckoo

	W. Ward	W. Ward
- Meadow Lark	Common	Common
- Grackle	Black	Black
- House Sparrow	Common	Common
- Herring Gull & gull	Gull	Gull
- King E. Starling	Common	Common
- Cowbird & person	Cowbird	Cowbird
- Sparrowhawk	Sparrowhawk	Sparrowhawk
- Northern Waterthrush	Waterthrush	Waterthrush
- Bluebird	Bluebird	Bluebird
- Indigo Bunting	Indigo	Indigo
- Indigo Bunting	Indigo	Indigo
- McCown's Longbill	McCown's	McCown's
- Towhee	Towhee	Towhee
- Peewee	Peewee	Peewee
- Vireo	Vireo	Vireo
- Phoebe	Phoebe	Phoebe
- Kingbird	Kingbird	Kingbird
- House Wren	House Wren	House Wren
- Mourning Dove	Mourning Dove	Mourning Dove
- Nighthawk	Nighthawk	Nighthawk
- Wilson's	Wilson's	Wilson's
- Great	Great	Great
- Red-tail Hawk	Red-tail Hawk	Red-tail Hawk
- Cedar Siskin	Cedar Siskin	Cedar Siskin
- Junco	Junco	Junco
- Field Lark	Field Lark	Field Lark
- Canada Goose	Goose	Goose
- Mallard	Mallard	Mallard
- Coot	Coot	Coot
- Gull	Gull	Gull
- Ring-billed Gull	Ring-billed Gull	Ring-billed Gull
- Lincoln Sparrow	Lincoln Sparrow	Lincoln Sparrow
- Yellowthroat	Yellowthroat	Yellowthroat
- Western Warbler	Western Warbler	Western Warbler

Half a dozen or more birds
seen at Southwest from Co. along
old road with following list to
find

- Oct 7
- Ibis Boughan
 - Meadowlark Common
 - Magpie "
 - ~~Red-shafted Flicker~~ "
 - Avocet "
 - Sill
 - Marsh Hawk
 - Ruddy Duck
 - Sparrow hawk.
- but plain greenish
sedge and flats
little marshes no trees
gullies & flats with water
ditches & old channels
series of wooded channel
15 ft. back
extinct
Above Blue Creek
country rolling up hill

- Oct 7
- Rock Ptarmigan
 - Pintail
 - House Finch
 - Sing. Sparrow
 - ? Bobwhite Quail
 - ? Goldfinch
 - Horned Lark
 - Juncos
 - Golden-fronted Warbler
 - ~~Spurred Towhee~~
 - Sage Grouse
 - White-tailed Kite
 - == Mallard
 - == Grinning Seal
 - Sharp Hawk
 - Horned Thrush
 - Killdeer
 - Pintail
 - Marsh Wren
 - Virginia Rail
 - Noddy
 - Rock Wren
 - Curlew (currawie)

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Engraving

Macdonald

Melanoxanthus
Festuca

Gardner

John

Greater
Olli

1900-1901

Dan Pagan

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Oct. 10

W. E. Green Hoppers Utah R. & D #1.
has note of sick ducks since all of
1904 all young and dead sitting about
in brush & bottom of grass all jet
seen in November before freeze up.
Were not bad until 1909 then
large numbers seen in 1911.

90 to 100 thousand were buried.
those picked up all lay on water
then dried out & twisted.

Aug. 1898 noted 1898 for
3 years small began grinding
last then closed in rapidly
& now is the result.

In 1904 a salt channel dry out
dry up at 10 ft. but
down water from river. Now
several small duck traps
placed just 2 in front of salt water
then water has been picked up again

the dead ducks
water bubbles with bubbles
of salt water
salt in shallow water
salinity of salt water 4% FeS₂O

Oct. 14 Penitentiary Pt.

- Raven
- Meadowlark
- House Finch
- No. Phalarope
- Magpie
- English Sparrow
- Horned Lark
- Gull
- Gull
- Andiron Warbler
- Mt Chestnut
- Amphispiza
- White crowned Sparrow 109.7
- Major Jay
- Flicker
- Bobo
- Common Starling ad 107.4 109.5 shot in hand
- Red breasted Nuthatch
-
- Peewee
- White Throated Sparrow 109.1
- Winter Wren 109.5
- Woodpecker
- Scaly Cuckoo-shrike
- Certhia americana
- Chaffinch
- Purple finch
- Thrush Hawk
- Horned Lark
- Song Sparrow
- Dog faced Woodpecker
- Camp Out

Oct. 19

Chrysanthemum abd. 1 Mentha
gracilis
Sugard bush - windrow of fly larvae
Many carp 2 1/2 - 3 inch long,
windrow in places 2 m. deep by 26
30 feet wide.

Oct. 19

- Marsh Wren.
- Gadwall
- Pintail
- Green and teal
- Mallard
- Long-billed Dowitcher
- Ring-billed Gull
- Redshank
- Bittern
- Night Heron
- Indigo Bunting
- ♂ house "
- Flicker
- Merganser
- Wagtail
- Red-bellied Puffin
- Magpie
- Golden Eagle
- Marsh Hawk
- English Sparrow
- Grackle
- Pigeon

Oct. 18, 1914		2686	Pintail ♀	2754	Ducklines
1	"	8	"	5	Spoonbill ♂
2	"	8	"	6	Mallard ♂
3	"	9	"	7	"
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Oct 17

- Raven
- Avocet
- Night Heron
- Marsh Wren
- Song Sparrow
- Western Grouse
- Redwing
- Pintail
- Greenwinged Teal
- Dowitcher
- Mallard
- Spoonbill
- Godwit
- Wigeon
- Cinnamon Teal
- Canvasback
- Redhead
- Canada Goose
- ~~W.~~ Sandpiper
- Gull
- * Ring-billed Gull
- Forster Tern
- Ruddy Duck
- ♂ Shrike
- Downy Woodpecker
- Magpie
- Pipit

~~✓~~ *Ptychadenia punctata* 117 + 104

- Barn Swallow
- Goldfinch
- Song Sparrow
- Western Grouse
- Ruby-crowned Kinglet
- = Ring-billed Gull
- Siskin
- Night Heron
- Marsh Wren
- Cinnamon Teal
- Phoebe
- Tricolored
- Godwit
- Avocet
- Mallard
- Canvasback
- Redhead
- Spoonbill
- Greenwinged Teal.
- Pintail
- Dowitcher
- Coot
- Red-billed Gulls
- Killdeer
- Marsh Hawk
- Magpie
- Pipit
- Raven

2701 Campbells
 2 Duck bill
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Oct. 19

- Rock Wren
- Pine Grosbeak
- Ring-billed Gull
- Marsh Wren
- Redwing
- House Finch
- Song Sparrow
- Western Grouse
- Red-billed " "
- Mountain Chickadee
- Bittern
- Great Blue Heron
- Night Heron
- Horned Lark
- Magpie
- Ruffed Grouse
- Robin

Oct. 20

- Godwit ~~102~~ ~~100.7~~ 104.6
- Downy ~~W.~~ ~~104.6~~
- Avocet
- Mallard ~~2~~ ~~105.1~~
- Pintail
- Green-winged Teal
- Hooded Merganser
- Western Grouse
- Marsh Wren
- Redwing
- Great Blue Heron
- English Sparrow
- Marsh Hawk
- Magpie
- Ruffed Grouse
- Ring-billed Gull
- Franklin Gull
- Night Heron
- Snowbird
- Greater Yellowlegs
- Goot
- Flock
- Virginia Rail

the following day
The day after we had a
short walk in the hills
and then went to the
village of Uganda where
we saw many animals
including lions, elephants,
rhinos, and leopards.
We also saw some birds
such as ostriches and
peacocks. We stayed
there for two days before
returning to the city.

On our way back to the
city we stopped at a
small town called Kampala.
There we visited the
National Museum and
the Uganda National
Botanical Garden. We
also saw some monkeys
and birds in the forest.
After spending a few
days in Kampala, we
continued our journey
back to the city.

had to go away for a week
but we had a good time
and the weather was
mostly clear in the day
and in the evenings it was
cloudy but not rainy.
had to leave because
of the heavy rain
and the clouds were
dark and heavy.
had to leave because
of the heavy rain
and the clouds were
dark and heavy.

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17.50

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9-20
200 ft. down hill from
Nest B 14

14
downhill from nest B 14
old road

13
middle of slope

12
middle of slope

11
middle of slope

10
middle of slope

9
middle of slope

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16.00

43.75
43.75

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50.00

30.00
30.00

horizontal 25 "

vertical 15 degrees

30.00

A hand-drawn diagram of a longitudinal section through a plant structure, likely a flower or fruit. The drawing shows several distinct layers of tissue. Labels in cursive ink identify these layers:

- outermost layer: epidermis
- inner layer: mesophyll
- innermost layer: endodermis
- innermost cavity: endosperm
- innermost cavity: embryo
- innermost cavity: seed coat

The diagram illustrates the complex organization of tissues within the plant structure.

~~Gasoline \$1.00 + C.R. 32.60
S.P. 8.3 35.70~~

3
11
9
12
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91 29
91 98

$$\begin{array}{r} 99 \\ \hline 42 \\ \hline 72 \end{array}$$

~~1. Parasitism~~

...benevolence

the following day
I went to see
the new house
and the old house
was still there
but it was
empty and
there were no
people in it.

• *Scutellaria*
• *Corydalis*
• *Geum urbanum*
• *Geum urbanum*
• *Geum urbanum*

anonymus
writer
B. J. B.
etc.

you can
see every
single
bump on
the log
from
the
bottom

8-6 from 11th by top way left 1
b w E

8-16 Playing my own banjo music
F# Ammmb. jive

6-6 8 forward to 1
Supt.

21 1988

5-2 ~~1940~~ 1940 437

L myte

and quality of

1. Wet clouds.

" " " " " "

8-24 the modern school system

02-8 *Pygmy Kingfisher*

United States Department of Agriculture,
OFFICIAL BUSINESS.

DIVISION OF ACCOUNTS AND DISBURSEMENTS,

Washington, D. C.

PENALTY FOR PRIVATE USE, \$300.

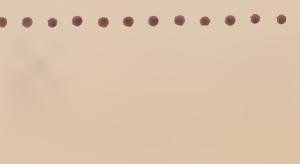
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U. S. Department of Agriculture,

WASHINGTON, D. C.

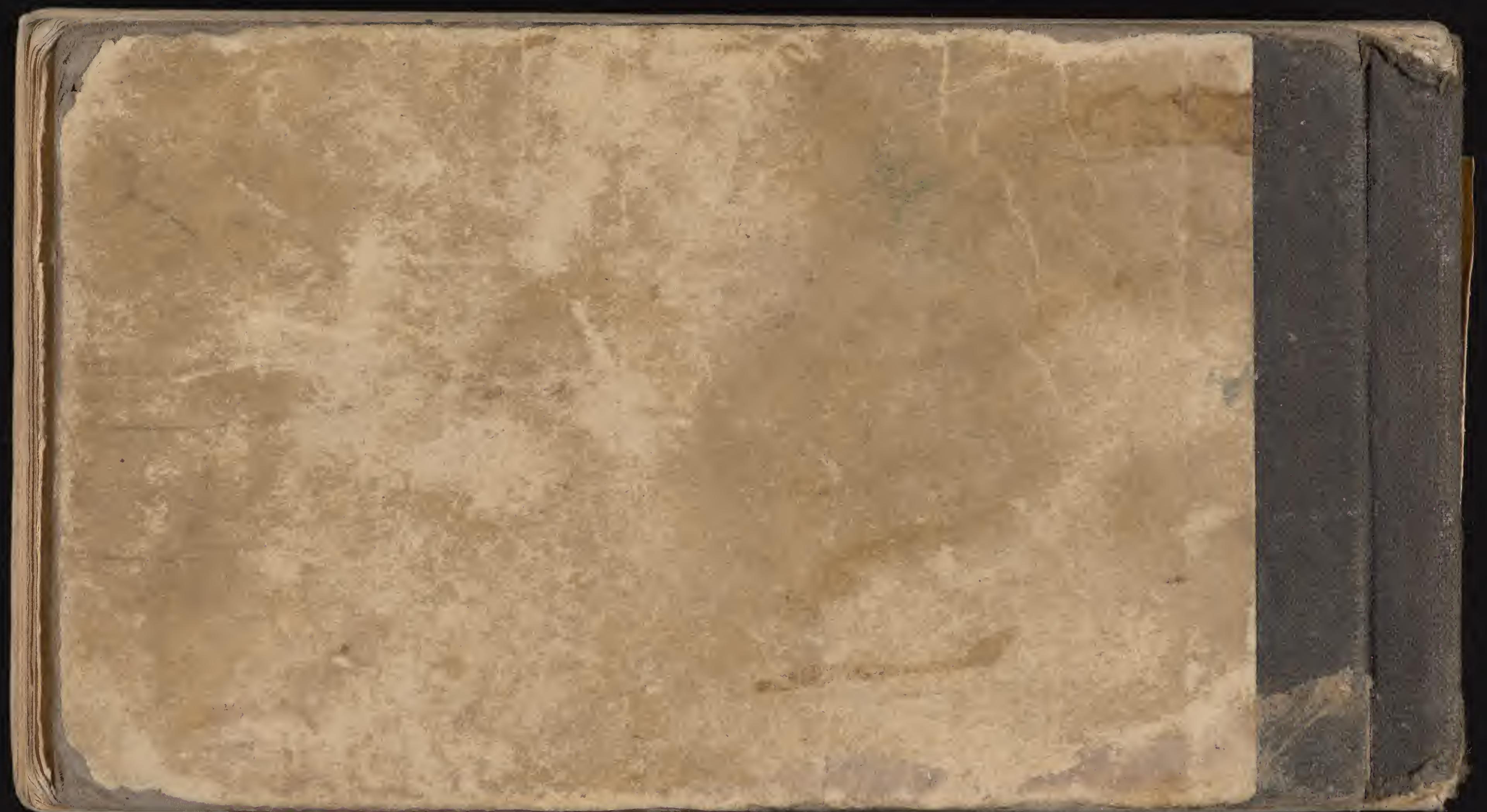
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United States Department of Agriculture

FIELD DIARY

OF

Mr. Utah + California, Colo, Kans.

Oct. 22 - Dec. 10 - 1914.

(Official title.)

NOTICE.—This book is Government property. The finder is requested to mail it to the
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it is closed shut.

INSTRUCTIONS.

Every officer or other employee of the Department of Agriculture conducting work while traveling will, so far as practicable, keep a diary in which will be recorded, under an appropriate date entry, a concise statement of all important matters pertaining to such work and also of any general matters that may be of interest to the Department.

This diary will be retained by the official preparing same, but will be subject to call by the administrative officers of the Department, including the disbursing officer, at any time.

When this book is filled another may be secured by application to the chief of your Bureau or to the disbursing officer of the Department.

James Wilson

Secretary of Agriculture.

"J. 8" 6 now in north Bay after nearly half of 5' 00
F., " in Painted with east Paint 1500

918 club not found

July 20, 1911 ^{Deer gathering} ~~July 1, 1911~~ 1000 ft. Deer
Mtns.

Aug. 21 1912. 1 hr. 1/2 ft. 61
apparently 1 ft.

Aug. 23. one place to 1800. 3000 ft. 1
Deer gathered at mouth of Weber and
several deer seen. Deer in grass and
bulky brush. No game birds.

Aug. 29. 3250. 3000 ft. 1 deer gathered
but no game birds.

Sept. 1. 1 other 4776 ft. Gathering of

deer 9 men found 11 mdp 7478

Sept. 1. 1000 ft. between 2478 & 4183

Sept. 2. Deer 1000 ft. 1000 ft. 14331

— several small birds found 2216

1. 4. F.O. 1000 ft. 1000 ft. 1000 ft.

deer 1000 ft. 1000 ft. 1000 ft.

1. 5. 13. " 9 large 1000 ft. 3000 ft.

1. 6. 11. 1000 ft. 1000 ft. 5161

Deer 1000 ft. 1000 ft. 1000 ft.
plenty of deer.

1. 8. 6 men in north Bay 1000 ft. 1000 ft.

1. 9. 1000 ft. 1000 ft. 1000 ft.

Sept. 10	6	shanty at Red hills Bay; July 1st	1374
" 11	6	" in east Pass.	993
" 12	6	" but Mud Point & Davis dd.	1540
" 13	6	" from Brown's Overflow & East	850
most of them	old bricks	Cleared away	
Sept. 14	7	" Kendall's Bay to Long Point	900
" 15	7	" Mud Point to Ladd's dd	2340
" 16	8	" #3 to Sheepish clif	1600
" 17	5	East end of No Bay to 8 pm hill dd.	540
" 18	6	" Brown's Overflow to Red hills Bay	547
" 19	4	" Kendall's Bay, 3 small Pts	250
" 20	2	" East end of Bay & Kendall's Bay	368
" 21	2	" Kendall's Bay to 7 p.m. to Pt.	260

No assistance from state in 1912

1901 shooting fine plenty of work
done in picking up debris

Three seasons

1913 4th shot 12000

over all River averaged 108 & a fraction
for every day that he shot about
12000 for season.

Another season average was 84

11 days of July 1914.

11 " Lt. N. Hurlbut 612 49 miles

1913

Few in August giving disastrous

Sept 4 Cook reported 600 out of #3

when water had recently flooded the

flats.

Sept. 7	2	mm. Pin-tail rock	195
" 8	5	"	400
" 10	10	" (3 mm fished by stat)	1750
" 11	"		2500
" 12	"		3540
" 13	"		2311
" 14	"		3100
" 15	"		3417
" 16	"		3380
" 18	"	in mouth of North Bay	500
" 19	"		3270
" 20	"		4000
" 21	"		2180
" 22	"		3000
" 23	"		6000
" 24	"		4000
" 25	"		2080
" 26	"		1700
			45,323

Oct. 22

- Redlegs
- Buff-breasted sandpiper
- Cinnamon teal
- Willets
- Gulls
- Gallinard P. L.
- Pintail
- Common teal
- Banded duck
- Redhead
- + Redwing
- Green & Brown
- Bittern
- Night Heron
- Ross Snow goose
- Lesser "
- Canada goose
- Avocet
- Marsh Wren
- Phalarope
- Sandpiper

Oct. 23

- Night Heron
- Magpie
- Great Blue Heron
- Common loon
- Hooded Merganser
- Greater Scaup duck
- Redhead
- Marsh Hawk
- Pintail
- Grebe
- Snowy Heron
- Redhead

Benson reports low water
condition two years ago - also
a little for me at Beaver Ferry
25 woodchucks at Tule Lake.
Met Judge Longboward & Mr. Kelly
& others

1/36 killed South of Hooper, Utah
Oct 18, Hazel dipper
2/14 Third Creek between Hooper
Warren,

Blue Harry Finch
2/8 2nd South
Salt Lake City

Oct 24 New State

- Avocet
- Coot
- Ring-necked Pheasant
- Grouse
- Goldfinch
- Mallard
- Redhead
- Flock of Mergansers
- Pipit
- Junco
- Buffle Duck
- Gadwall
- Green-winged Teal
- Lesser Snow Goose
- Godwit
- Marsh Wren
- Mew Hawk
- Long-tail
- Scaup
- Virginia Rail
- Dark-Eyed Junco

- Raven
- Great Yellowlegs
- Gulls
- Ring-billed Gull
- English Sparrow

clear, N.W.
wind cool
heavy wind
last night

Benson reported low water
in stream three years ago also
a little earlier at Brown's Creek,
25 or 26 miles at Silver Lake,
Milbridge, Lufordwood, Marshville
& others

1736 killed south of Hooper, Wash
Oct 1st. Hazel dipper
9/23/18 Third Creek between Hooper
Warren,

Boring made fills marsh
about 3

water in pool away from marsh

Water in channels fairly high flowing

much clearer than at previous

visit of sand fisher.

Very clear no sand except above

Salt lake.

Telephone

Our second full season

still duck have disappeared

unless for you to come. Will not

get just teal now

all water gone by October, why

do not more mounted birds etc

Water now from deep in

Oct 27. Wint

- Goldfinch

- Cat Sparrow

- Magpie

- ~~Pipit~~ Finch

- Mourning Dove

- Avocet

- Snow Goose

- Mallard

- Pintail

- Common Red Shelduck

- Gaggle Duck

- Gulls

- Redwing

- Pipit

- Horned Lark

- Killdeer

- Ring-billed gull.

Justin H. Garman
and I found 15 species

Below is a list of birds we saw.
We took them to Bayard's place
for a look.

Nov. 1

- Golden-fronted Sparrow
- Downy Nuthatch
- House Song Sparrow
- Ruby-crowned Kinglet
- Chestnut-backed Chickadee
- Spurred Towhee
- Cedar Waxwing
- Arctostaphylos Wren
- Black & white
- Fox Sparrow
- Nuthatch

Mr. J. S. Hunter room 734 Mills
Mr. E. Schaeffle Bldg. San Fran.

Met Sargent at Calif Academy.

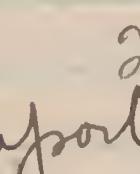
herring not in.

Fine collection skins. examined geospiza
or other cocorms like geospiza but
with long slender bill & having
more curvature.

Mr. J. S. Hunter knew Cary was in
Galapagos. Spoke of trouble with
Albin Stewart who was a skunk.

yesterday examined collection
of Calif Acad. large series finely
prepared water birds. Cass Oct 1/4 unit

Nat. Mus. Had a different catch.



- hinge - rest flush. raise out & up to open
on at each end of car.

great series of giant tortoises. Van
Demburg's report sent out.

20,000 feet + dead ducks
reported by A. E. Schmidlin vice pres
Mem Co. Under & Devol. Company. tried
to see this gentleman but found he was
in England.

Winton Matthews
Mascon
Calif.

gal - when momentum checked, put
wings forward until new momentum was
gained through wing motion.

Tracy d. Stow

Berkeley

Calif

To Mus. Vert. Zool

See Dice

ditto.

—

—

—

- 4.
- Mourning Dove
 - Cuckoo
 - Mocking bird
 - Meadowlark
 - Shrike
 - Barn Redtail
 - Say's Phoebe
 - Coot
 - Bucoby
 - Great Blue Heron
 - Swallow-tail Gull
 - Sandhill Crane
 - Song Sparrow
 - Marsh Wren
 - Horned Lark
 - Pintail
 - Spoonbill
 - Least S. - Arizona
 - Mr. Sandpiper
 - American
 - Canada Goose
 - Flock of Mergansers
 - Killdeer
 - Common Seal
 - House & Sparrow
 - Rock Hawk
 - Sparrow Hawk
 - P. Snow Hawk
 - Polar Finch
 - Northern Water
 - Hairy Sparrow
 - Thrush
- dead
Avocet
Herring
E. Gull
Coot
Pintail 1881

Pintail & helpless - which
face, evidently.

Another & the tail feathers lost
so that the tail was entirely
blue.

The birds were from very
able to stand, art as old
birds, wings hang loose
from sides & tails lie flat
for flight, when approached, the
feathers stuck up upright above, so
the birds attempt to fly off,
but in many cases the body is
helpless, tail can be moved.

- Western & G. Grays 3 were able
to run rapidly, the bird in front
could not fly.

Wiley showed a light current
setting across wind, probably
influenced by salt air which
blows when I waded fairly far
and was about 100 yds. away.
They swam, water doubtless
calm with alkalin properties
present in water foul appear
bubbles arise at places where

Notch Ephydium and a hydroid
was taken in water.

bottom of water in shallow water

book was very steadily done.

back year by now water is no
hurried 10 to twelve miles
the water was on this mountain
and did the peak it was for
three days. As fast as the
land's dry it is just made
cultivation of mainly coffee com-
all the coffee was in
steeply 3 feet of water
facing the north wall. In
addition the land was as open
as could be the northward water it
now flows into the San Jose river.
In three years the field
was entirely dry - from boats on
the river delivery left in the
middle fifty - was greatly
reduced though many built winter
houses helped fill it.

samples. Need more water & less
water - mostly soil dry. - Angle
dead caps & wood rotted
/ live trees /
Whitish ~~soil~~ leaves from evaporated
water
Found small mouth, went
along rocks with
Many cushiony all in ectocarpus
floating spider web in air.
One live cork
At end of down bank soil water
Somewhat cleared but really
saltation
1/2 cups in one branch -
initial trying to live & barely
able to start filling with
light soil down probably snow
was long & apparently not
No fuel for heating up cork &
in all the granules

Sample b W side of lake 1 mile north
South water 2 miles deep.

~~and
Puntai
by Brundifex~~

Foster sun down today
Pekinay Reddy
Mallard. Otagon
Spoonbill.

P. E. N. W. ^{and} i. g. m. i. a.

Pompeii ~~III~~ growing!
Peltandra ~~II~~ dead crowded over

South Leaf Island River

卷之三

January 1st 2013

Pawley Deck III

100 spoonbill
the sun sets

~~Wn Sandpiper~~ III
~~Mallard~~ II

~~Redbacked Scaevola~~ III
Comment 1
S. T. 1911

Cook M
Widgson

Pintail ♀. Blood smear from
abdomen & rect. No sign of nematodes
Another smear from heart. No nematodes
Feces - matter of thin form & watery
No sign of Nematodes.

Urine very fat. Urine & contained
grain & fiber in their portion.

Gittertissue from headmost epithel.
lumen of canal with capillaries
of villi enlarged & distended.

Pintail ♂. Bird frequently voided
gas. Could capture much of
gas by ~~the~~ ^{the} air around
feathers about anus stand
out by just outside. Bird
very fat. Blood smear from
side of breast no sign of nematodes
Another later from left ventricle
no sign of nematodes.

Abdominal lymph of intestine
with content intensely irritated.
Blow gut almost normal.

Grumagot Teal male. Bird
not fat. Fairly able to
hold head up. Blood smears
excreted from heart, no sign
of Nematodes.
Intestine quite visibly empty
except for ingesta. Villi with
distended capillaries.

Left female. Bird fat. noted
that it flew peculiarly. Found
I found that it was from bottom
that primary & tail were
stiff, probably. But a lot
of great & either dry or
fouled out the abdominal
crops containing mucus &
that distended capillaries
running out in lumen into the lumen
Stomach contained a few
small pieces of
affected tissue.

- Bee fowl ^b
- G. hiller
- Nodding gild
- T. hillier
- Roseate
- Polystictus
- S. parvirostris
- Crows
- Cormorant
- Ruby crowned Kinglet
- Golden Pectoral
- Horned Puffin
- Steller's eider
- Glaucous-winged Gull
- Horned Lark + 108.6
- Pine Siskin
- Burnt Blackbird - ~~+ 108.1, 123.1, 108.6~~
- Bay Gull
- Sandhill Crane
- Dipper
- Arctic Skua
- Least Sandpiper
- D. Duck
- Red Phalarope
- Pink Flamingo

85.7 [♂] hyacinth

45.7 ♂ Bradford

Kings River - just down river
current - back - old - old - P. 1/2 of the
South end - first bird of the
morning in the Jules Hills
in soil.

Any prints or cuts.

But on tree

Lake 11 miles square 1 mile.

Lake 6x8 another guess.

Most of it dissolved on lava

Rock was broken

3 days & left

Say 350 deg.

Simpson

Think 28 inches

Howard work 23

~~Black
Gadit
Sand
Mica
Coral
Feldspar~~

1760

2 miles

1762 yrs.

~~Silt
Sand
Garnet
Feldspar
Kyanite~~

Folded in layers of *phyllitic* grackles
parallel to sand & garnet layers.
The *phyllitic* layers
are *greenish*, *yellowish* & *blackish*.
The *garnet* & *felspar* layers
are *white*, *yellowish* & *blackish*.
The *garnet* & *felspar* layers
are *white*, *yellowish* & *blackish*.
The *garnet* & *felspar* layers
are *white*, *yellowish* & *blackish*.

10.

— 1 —

卷之二十一

五二十六

- 7.
- Shrike
 - Mockingbird
 - Meadowlark
 - Horned Lark
 - Crow
 - Pigeon
 - Gull
 - = ~~Red + Blue Kite~~
 - Burrowing Owl 106.0
 - Sharp-shinned Hawk
 - Sparrow Hawk
 - Tail - Tot. 2
 - Barn Owl 7.0
 - Brown & Black Kite.
 - Sandpiper
 - Pine Siskin
 - Mountain Bluebird 106.8
 - Common R. Kingbird 104.3
 - ~~- St. Gull~~ 106.6
 - ~~- Gull~~ 105.8

Ground 3 ft. up from
large water hole with
leaves - covering ground
nowhere.
Get Blue Kite 28 miles to
2 km.

Another section in straight
at least 2 hours to Blue -
6 miles in South side
from town.

Horned Lark 28 miles -

Common 26 "

Pied Av at 38 "

Very fat kids affected by
heat & the full palate
perhaps all cases when
plate dry & no food but
water when we come
over together

- Mockingbird.
- T. Cat
- Long tail sparrow ^{uncommon} among English
- Meadowlark. ~~348.0~~
- Short tailed gullison singing
- Pigeon
- ~~Red winged black bird~~
- Willow Goldfinch
- Brown Towhee
- Crow
- Canada Warbler
- Kestrel
- Baby Mourning Dove
- Burrowing Owl
- Dumb hill Sparrow but was
- Gila Woodpecker
- Coot
- Broad Billed Kingbird
- Long eared Owl
- Night Heron
- ~~Pigeon~~
- ~~Brown~~ ~~Colly Phainopepla~~ ~~Sparrow~~

~~50.00~~
~~18.85~~ ~~16.15.00~~ ~~85.6~~
~~15.00~~
~~10.75~~
~~14.5~~
~~12.15~~

Fourier Hanes sick duck in
1910. Murphy caught with 161.
arrested for poisoning duck.
H. thinks duck dropped in
the river, later - \$100 were
lost. First helpless but recovered
in few days.

Thick made 25 miles.
Greasewood below Geronay
sooty not sin and 20 ft tall
in which it is open country.
Black shells in field on the
west of Coronan does a long
part of the South
Dried up in Coronan.
Tuna River dry
No shells in soil more angular
though they can't up to the
line on north wet.
A portion of old Atwell's lot
a slight elevation formerly an
island by water.
South lake formed by the river
dry now - Some ridge east Bolita
of from Tuna. Negate ran
up to Atwell's lot on him
cut into the line here - Hawks
part of dragon cut to corners
into and through sand
edge Belfair to Swan valley
dry

East Draw walls soil sandy
many mesas.

Bent Lark & much 23 miles

Old roads & sloughs
east of Lost Hills.

3 Horned Larks made 21 miles

Hart road from old
silver mine about among 7
Thomas's sparrow country
slightly breeding.

J. R. Osborne
Harrison
N.Y.

- Shrike
- Meadowlark
- Willow & Finch Bob
- Sparrow Hawk
- Raven
- Savanna Sparrow
- Ruffed Grouse
- Horned Lark
- Song Sparrow
- Field & Bluebird ~~106.2~~
- Intermediate Sparrow
- Prairie Falcon Hawk
- Lark Sparrow
- Black Phoebe ~~109.7, 110, 106.6~~
- Killdeer ~~108.4, 106.6, 105.4~~
- Song Thrush
- Common
- Coot
- Snow Goose
- Canada
- Pintail
- Rusty Blackbird
- Redwing
- Mtn. Bluebird
- McClelland ~~#399~~
- English Sparrow
- Grackle
- Field Sparrow

Kem Lake especially dry,
Bromeliads and other plants
growing. Water greatest
depth 10 feet.
Held a big bonfire at
Camp surface below I
water high this year. last
last.

Pelican shot in lake. $\frac{1}{2}$ an
Miles research
presently removed by the
tribe to their
outlet gentle side outlet
many willows, dark water
now. No water coming from
outlet now.

went now
round south along all hills.
rounded hills 100 to 150 feet
high covered grass over &
soil.

page -
Much snow & ice along
outlet drifts of trib. & marshes

outlets, docks of houses & rustic
in lake. Turned down right on border
of lake.

- Meadowlark
 - Barn Swallow
 - Snow Bunting
 - Western Bluebird
 - Fish Hawk
 - Cedar Waxwing
 - Titmouse 100.6 100.6
 - Chestnut Backed Bluebird 107.6
 - Junco
 - Dark Eyed Junco
 - House Finch
 - Cliff Jay 107.6
 - Gila Flycatcher 107.6
 - Bank Swallow
 - Cowbird
 - Flicker
 - Mallard
 - Gila Woodpecker
 - Hooded Merganser
 - Bay Shrike
 - Bufflehead
 - Ant Eating Woodpecker 108.7
 - Red-shafted Flicker
 - ♂ - Clark's Wren
 - ♀ - Prairie Falcon

Snowshoe made 22 miles
just sum distance

Shore of old Kew LK - will return
Opposite side -
cross broad fl L broad

Mountain -
Snowshoe made 25 miles.

Redtail flying early made 22

grass downy grass on hills
went up Tejon Creek, 1 mile

Lake Cogsee a water
minutely fed

Raven made 24 miles

Howard kept animal 27 miles

Broad valley of old stream along back
mountain to 4000 ft.

Show some sedimentary rock, which
are caves on top of lower

Old Valley on top of range.

Turquoise 500 ft. above with

Rock of Spanish blue common

House made from

Mojave

- house 7 inch thick
- Amphiapiga
- Tamias
- Pillbox

+ Yucca rough bark.

Other plant Kangaroo rat sign

conf

12

~~Dewey's
not to know as full
out as always & cut off
ice at very low 2nd stage~~

5

6

- Barn Blackbird
- Rock Wren
- Devil ~~♂ 107~~ ~~♀ 107.6~~ most Mortal
- Sing Sparrow ~~105.4~~ ~~109.3~~ ~~108.3~~
- Swam. Tanager ~~108.3~~
- Bew. Wren ~~108.2~~
- Doves ~~♂ 107~~ ~~♀ 108~~
- International Sparrows
- Long-tailed Jay
- Titmouse
- Tree Phoebe

13

~~Ruler size~~

- Horned Lark ~~♂ 104.4~~ ~~♀ 109.6~~, ~~♂ 108.6~~ ~~♀ 109.3~~
- Red-sh.
- Indigo Bunting
- Golden P.
- Least S. Sandpiper
- ~~Common Nighthawk~~
- Grand Gull
- Whimbrel [♂] dead
- Gannet [♂] dead
- P. P. bombifrons
- Ring-billed Gull
- Snowy P. Gull
- Marsh Wren ~~109.2~~ ~~2.5~~
- Kingbird [♂] ~~118.0~~ ~~118.5~~ ~~117.5~~
- Short-tard Kite
- Wilson Snipe
- Meadowlark
- Sing. G. Sparrow.
- Var. Savanna ♀ Juncos
- Plain Juncos

met few *Syndactylus* Gouldian birds
woman of the west places them
with them
one dead *Pistoria* mandibula
ground water with grass
One *Cape Gull* ~~PERINOTHORACUM~~

~~Thalassarche~~

Gull swimming with head under
water. This bird probably
water staining strong with borax
(Proveit)

Everything preserved found

dead bird

Spoonbill NH

Two Spoonbill 2 year old Cygnets
Gulls had clutch of four

Brown Black median line
Says in front of shoulder running
down in narrow line. House
grey body color. Tapering to
black. Some mixed with
grey bar across front of eye brown
line, dark black rest light
extreme black & p.

Young wing web almost
brown color with dark grey
light chestnut wing tips,
blue with banding below

Lake

recent

stones 20 feet

stones 20 feet

stones 20 feet

stones 20 feet

~ Horned Lark

- Barn Owl
- Barn Swallow
- House Finch
- English Sparrow
- Spurred Towhee
- Golden-crowned Sparrow
- Cowbird
- Bobolink
- Chipping Sparrow
- Green-tailed Towhee
- Pigeon
- Killdeer
- Brown-Backed Kite

351

digitized by

Leibniz *1712*

how big may it ever get

卷之三

~~and we are to go to~~

王

~~waterfall~~
~~Waterfall~~

~~road~~)

*Small (new)
dry dock)*

~~Chalk Hill~~

Amphibolite (1)

Alberto Panićek

Albinia longicauda

5

Many little indentations

Chrysanthemum *leucanthemoides*

~~right hand~~

~~old date 25~~ ~~not~~

11-15 fit above it

also San Agustín
dijo 2-3 veces lo que

March 19th 1900 Rodger

Very healthy, lots

W. Damp. L. 1000 ft.

Digitized by srujanika@gmail.com

Three lines of drift. Height
10 to 12 inches above present lake
level. This closely where it is
dry. Some thin muddy
bottom surface loose earth
gathered around.

Sand dunes 10 to 30 feet across
at intervals.

16 feet on beach got snails & clam
shells.

52 inches of evaporation on lake yearly.

Wicks die in February & March

Water high when snow comes down

lake level now about average.

- 15 birds
- Marsh Hawk
 - Pipit
 - Meadowlark
 - Coot
 - 2 grish Sparrows
 - 10 Chipping Sparrows.
 - 10 Song Sparrows
 - Marsh Wren
 - Spurred Towhee
 - Flicker
 - Great Blue Heron
 - Night Heron
 - Majland Pheasant
 - Skunk
 - Magpie
 - Common Belvid
 - Red-tailed Hawk
 - Mt. Spokane Sparrow
 - Horned Lark
 - Kestrel
 - Wedge-tail
 - Audubon Warbler
 - Jay & Robin

hence

- English Sparrow
 - Song Sparrow (had bird)
 - Field Lark
 - House Sparrow
 - Chipping Sparrow
 - House Wren
 - Mockingbird
 - Towhee
 - Kingbird
 - House Finch
 - Sparrowhawk
 - Sparrowhawk (had)
 - Bewick's Wren.
 - Field Lark
 - Prairie Falcon

water. As the streams of fresh
water became more & more polluted with
salts, gradually through evaporation
of these compounds fossilized by
time developed in the changing
soil conditions and continued to
increase. Cycles of dry & wet
periods undoubtedly occurred.
In dry periods the streams
would be greatly reduced and
the mineral content
greatly increased. The
large number of the springs
of the lakes & was probably
due to this in part.
The following trail along
the waterfalls of Guelph
valley. Some hills to day.
And some on my left.
Wet road & poor roads.
I do not believe that long distance
travel is very marked during
most of the glacial period.
As a matter of fact it is Pleybenay
in its development so that they
have remained in arid waters but
not come down to winter in these bodies

However there was undoubtedly
much weathering & a second
foot or two of soil of stone being
grown which began to develop thick

~~having a low mesa~~
swings up valley leaving broad
opening to east through which
rare formerly cut trench. So far
as I have got deposits of salt &
soda showed nothing. The
ground above me was a
sand flat grown with
greasewood.
above me there were a
number of low ridges of rock &
gravel a mile & $\frac{1}{2}$ further the
two main lines had sprung
together in a gradual curve
shaving the old northern slope
line. This occurred about 2
miles below the head of station 415.
B.M. at station 4598.
8 miles west of Mineral

~~for Jimmie & Odell
Piney River
found~~

~~Wetland at Hwy - Infest
by slip banks with red
soil. Many dead trees could
be seen. Some of the buck fern
foliage very tall up to 4 feet.
The soil is yellowish
dust of sand mostly and
feels sandy. Not far off north was
formerly a plantation
of Magpie.~~

~~Water 50 feet wide. Many large
cottonwoods.~~

~~Maggie at Webster.~~

~~120~~

~~121 Crows Dark 2 Harmony~~

~~122 Pheasants~~

~~123 Magpie~~

~~124 Magpie dark~~

~~125 Flicker~~

~~126 Dark Shrike no nest~~

~~127 Cuckoo South Valley Bank~~

~~128 H M Bunting~~

~~129 Indigo Bunting across from YMCA~~

~~130 Chickadee~~

~~131 West. Tern Aic.~~

~~132 Joe Grey~~

~~133 Fred Alfred~~

~~134 Dick Bent~~

~~135~~

~~purple prairie Sodwulf~~

~~Prairie Falcon~~

Leslie DeReimer Dawson

Huntington - Best Wild Turkey Wadese.

Ed Hinman 65 supposed cripple
to be a boy & said cut down
Charles Holden - no such birds

Hinman's men

Fred Alfred - delta

W. M. Baldwin - delta said that

cripples reported by Hinman had been
shot & twitely men shooting around
with this gun too a bird
cleaned up more than fifty neatly

Was told that pathological
work on sick birds had been done
by Dr. Kamp who is no longer here.
He kept very accurate so that
there would be no record.

Burnett had never heard of
sick birds - all he at the Migratory

Mr. J. L. Gray definitely stated
that he had not heard of sick
birds. Had however noted occasional
birds with symptoms similar to

those described for 40 years. Birds
were found in floodable to move
usually when water was low.

22

- crow
- house sparrow
- chickadee
- Downy Woodpecker
- English Sparrow
- Junco
- Dusky Tanager
- Jack snipe
- Red-tail Hawk
- sandpiper
- Bronz. Grackle
- blue Jay
- flicker
- blue bird
- red-shafted flicker
- robins
- rusty black bird

Nov - 26 Chautauqueling

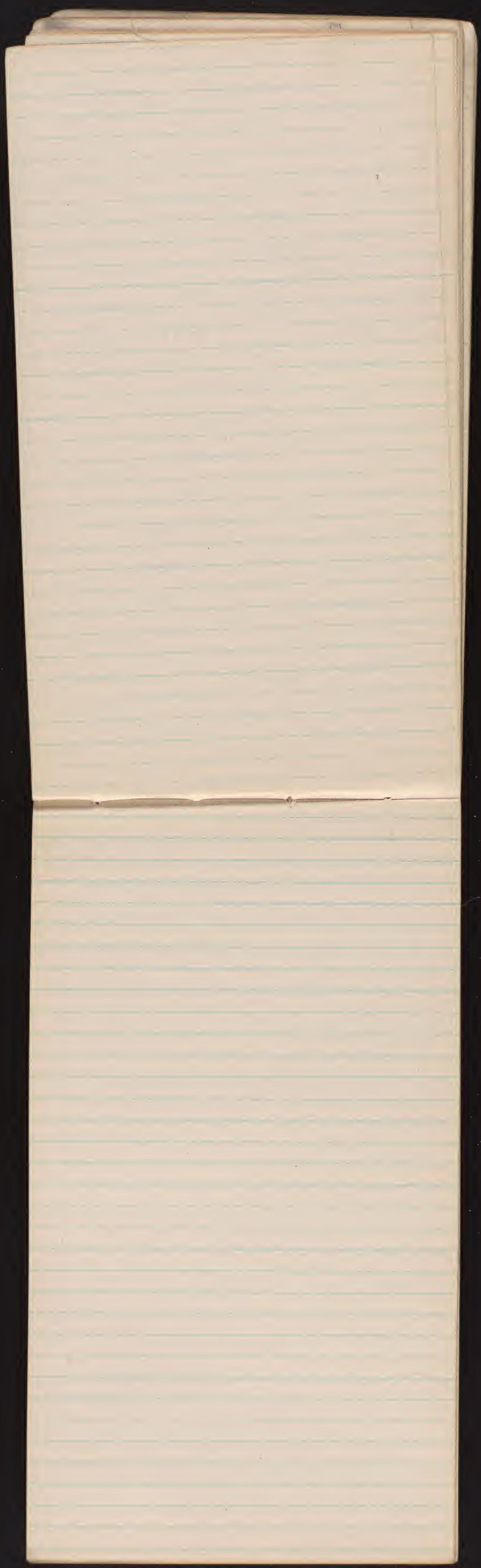
- English sparrow
- crow
- Horned lark
- chickadee
- meadow lark
- blue bird
- hairy woodpecker
- tree sparrow
- shrike
- red-shafted flicker
- crows hawks etc.

Nov. 30.

- Juncos
- Mountain juncos
- Chickadee
- Downy Woodpecker
- Hairy " "
- Flicker
- Crow
- Bluejay
- Redtail
- Tufted Tit
- Bluebird
- Cardinal
- Harris Sparrow
- Tree
- Red-bellied Woodpecker
- English Sparrow
- White breasted Nuthatch.
- Goldfinch
- Mourning Dove.

Dec. 2

- Crow 108.4
- Goldfinch 109.7
- Red Bellied Woodpecker 109.4 ~~108.4~~
- Hairy "
- Downy "
- Flicker
- Tree Sparrow
- Harris 109.6
- Robin 107.6
- Bluebird
- ✓ Tufted Titmouse
- Chickadee
- Towhee
- Bunting
- ✓ Purple Finch



For my year at work
now I must be happy

If any year or month
any country

advertisements

9-11. 100% of the time
the first 100% of the time
is spent in the field
and the last 100% of the time
is spent in the office.

9-11 work 12

9-11 field 3
5
20

A S mountain goat.
Field study

10/21 Rock Creek 96
45 44 33

Major rock types
Dolomite, Limestone

19 11 10

Limestone

10 9 8

Bentonite

7 6 5

Bentonite

4 3 2

Bentonite

81

Mudstone, shale, siltstone
Marl - Protected by vegetation

Siltstone, sandstone, clay, mud

Drill socks bulk lot 6
45

10 pairs of socks
A. J. D. 83

b) 11 pairs

10 pairs

" "

9 pairs

8 pairs

7 pairs

6 pairs

5 pairs

4 pairs

3 pairs

2 pairs

1 pair

81

Moscow, Russia 1917.
Museum - Protected Zoology

Diagram of a sample collection.

